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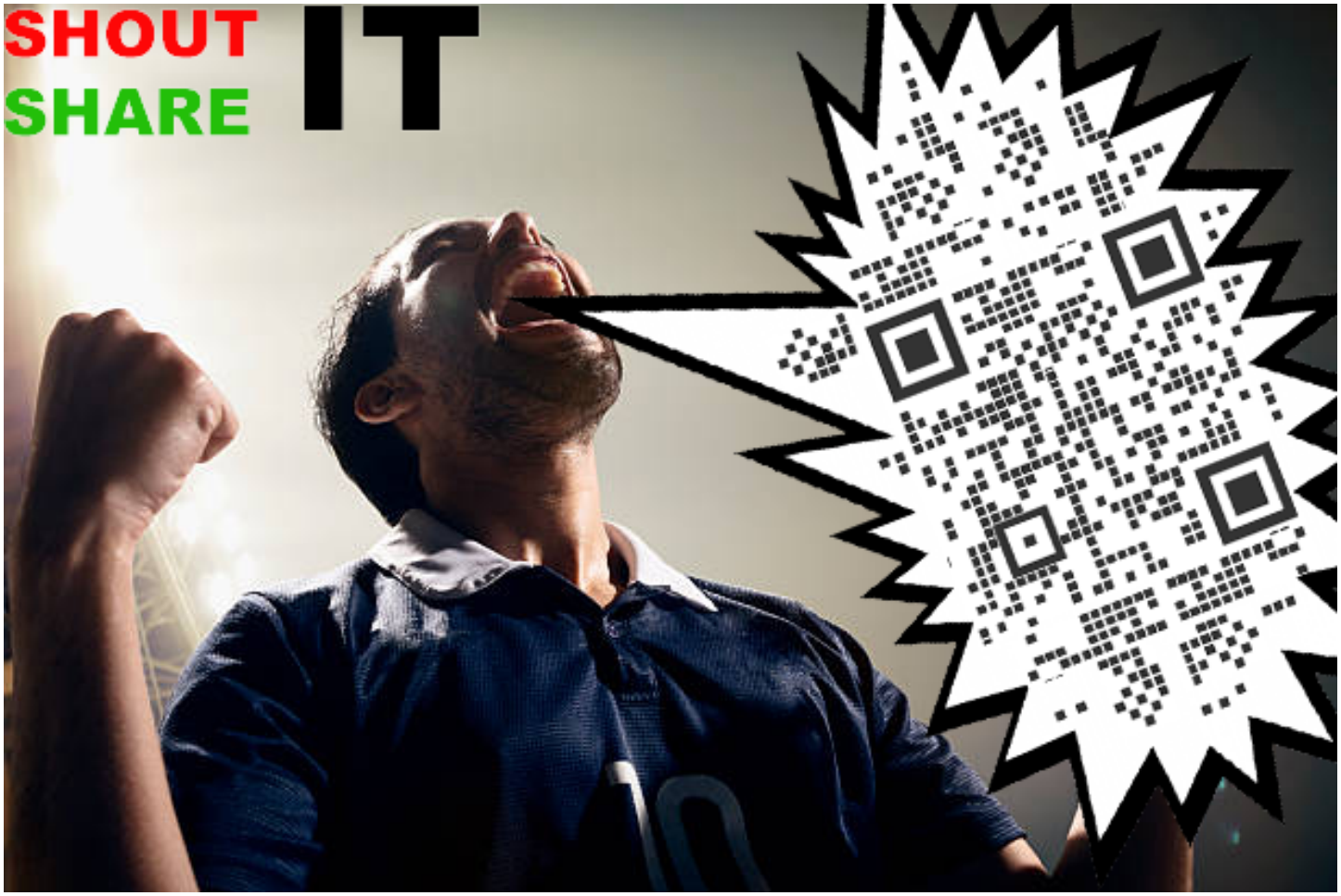
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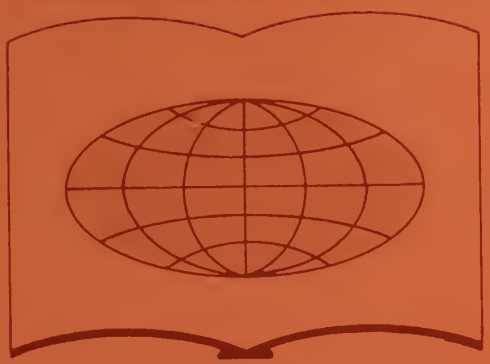

Volume 4 Number 16
AUGUST 2, 1968

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PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4 | August 2, 1968 | Number 16

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The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library. It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

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10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

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15698-68
STRANGALIA AURULENTA (F.), (COL., CERAMBYCIDAE) IN WEST SUSSEX.
J Cooter
Entomol Mon Mag 102(1229-1231):228
Oct 1966 421 EN86
Cerambycidae, Strangalia.

Systematics

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SARCOPHAGA SPP. (DIPT., CALLIPHORIDAE) IN A LONDON SUBURBAN GARDEN.
A A Allen
Entomol Mon Mag 102(1229-1231):228
16 May 1967 421 EN86
Diptera, Insect taxonomy, Sarcophaga, Sarcophagidae.

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MATERIALS ON THE FAUNA OF SPIDERS (ARANEI) OF TADJIKISTAN. II. ZODARIIDAE. (RUS)
E M Andreeva V P Tyshchenko
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May 1968 410 R92
Ecology, Insect taxonomy, Spiders, Zoogeography.
English and Russian abstracts.

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THE INFLUENCE OF CLIMATE AND WEATHER ON POPULATION AGE DISTRIBUTION. IN:FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SR951. F62.
W Baltensweiler
2:15-24, REF.
1966
Climate, Insect biology, Insect populations, Larix, Parasitic insects, Weather, Zeiraphera griseana.

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NEW GENERA AND SPECIES OF GALL WASPS (HYMENOPTERA, CYNIPOIDEA) OF THE SOVIET FAR EAST AND ADJACENT TERRITORIES. (ROS)
V I Relizin
Zool Zhur 47(5):701-719
May 1968 410 R92
Cynipoidea, Gall-making insects, Insect taxonomy, Zoogeography.
27 New species in Pressia, Lenobria, Mirandicoila, and Armigerina.
English and russian abstracts.

15703-68
ON THE ECOLOGY OF ANTHOCORIS NEMORUM (L.) (HEMIPTERA, HETEROPTERA).
E Collyer
Roy Entomol Soc London Proc Ser A Gen Entomol
42(7):107-118 REF
26 Sep 1967 420 L84PA
Anthocoris nemorum, Apples, Habitats, Heteroptera, Insect ecology, Insect rearing, Predaceous insects.
Abstract

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SPIDERS FROM NORWAY.
J A L Cooke
Entomol Mon Mag 103(1232-1234):12-13
Jan 1967 421 EN86
Spiders, Zoogeography.

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M F Day N Gilbert
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Galleria mellonella, Larvae, Sericesthis iridescent virus.

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SHIPMENT OF RHYSSA PERSUASORIA HIMALAYENSIS WILKINSON TO AUSTRALIA AND NEW ZEALAND.
P R Dharmadhikari
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Oct 1967 423.92 C733T
Insect cages, Parasitic insects, Rhyssa persuasoria himalayensis, Siricidae.
Description of shipping box

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TO THE KNOWLEDGE OF MITES OF THE SUBFAMILY NYCTERIGLYPHINAE (ACARINA: ROSENSTEINIDAE) FROM CUBA.
F Dusbabek
Folia Parasitol 14(3):239-246 REF
1967 436.8 C33
Rats, Coproglyphus delacruzi, Insect morphology, Insect taxonomy, Mites, Nycteriglyphus sturnirae, Parasitic insects.
A key to the species of this subfamily is appended at the end of the paper.

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CONTRIBUTION TO THE HUNGARIAN EPERMENIIDAE FAUNA (LEP.). (GE)
R Gaedike
Rovartani Kozlemenyek 19(2B):479-490, MAP
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Epermeniidae, Lepidoptera, Zoogeography.

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STENEOTARSONEMUS MADECASSUS N. SP., CAUSE OF A DEFORMATION OF THE PANICLES OF RICE IN MADAGASCAR (ACARINA: TARSONEMIDAE). (FR)
J Gutierrez
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AN EXPERIMENT IN THE USE OF DISCRIMINATIVE CLEARING FOR THE CONTROL OF GLOSSINA MORSITANS WESTW. IN ANKOLE, UGANDA.
J M B Harley R D Pilson
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O E Heie
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Aphididae, Insect taxonomy, Zoogeography.
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FURTHER NOTES ON COLEOPTERA ASSOCIATED WITH OLD TREES IN GRIMSTHORPE PARK, LINCS.
F A Bunter C Johnson
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Coleoptera, Habitats, Trees.

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A NEW SPECIES OF THE APHID THERIOAPHIS WALK. (APHIDOIDEA, HOMOPTERA). (RUS)
O I Ivanovskaja V N Tomilova
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Aphididae, Caragana arborescens, Insect taxonomy, Therioaphis aizenbergi.
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ECOLOGICAL NOTES CONCERNING TAMARCHA FROM TUNISIA AND LIBYA (COL., CHRYSOMELIDAE). (FR)
P Jolivet
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Sep 1967 420 F84B
Chrysomelidae, Insect ecology, Tamarcha.

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D K Kevan
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Oct 1966 421 EN86
Atheta, Great britain, Habitats, Staphylinidae.

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THE GENUS (CONSOROPHYLAX SCHMID (TRICHOPTERA: LIMNOPHILIDAE). (FR)
D E Kimmins L Botosaneanu
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Consorophylax, Insect taxonomy, Reproductive organs, Trichoptera.

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OLIGIA VERSICOLOR VOJNITSI SSP. N. (LEPIDOPTERA: NOCTUIDAE).
L Kovacs
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Insect taxonomy, Light traps, Noctuidae, Oligia, Reproductive organs.

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D A Krivolutzky
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Collembola, Insect taxonomy.
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F Mihalyi
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J N Minshall
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Epeorus, Ephemeroptera, Insect biology, Insect ecology, Temperature.

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L von Moczar
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Ceropalinae, Insect taxonomy, Pompilidae, Surveys.

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M G Morris
Entomol Mon Mag 102(1229-1231):220
16 May 1967 421 EN86
Anthonomus rufus, Prunus spinosa, Zoogeography.

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PHYTOSEIIDAE OF SAND-PINE LITTER.
M H Muma
Fla Entomol 51(1):37-44 REF
Mar 1968 420 F662
Habitats, Phytoseiidae, Surveys.
Abstract: A survey of phytoseiidae living in sand-pine litter on Pliocene or Pleistocene terraces in penisular Florida has indicated that the populations were composed entirely of mites belonging to the sub-family Amblyseiinae. Altogether 18 species were collected, but only 8 were common. Among the common species 5 seemed to be essentially restricted to a sand-pine litter habitat, 4 were not uniformly distributed among the terraces, and 2 did not attain peak populations during the winter or spring as is usual for phytoseiids.

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L E Oheng
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Dec 1967 448.9 L75A
Frequency distribution, Insect physiology, Insect populations, Metamorphosis, Reproduction, Sampling (statistics), Simuliidae.

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S B Pipkin
Entomol Soc Wash Proc 69(2):111-114
Jun 1967 420 W27
Drosophila leticiae, Insect taxonomy.

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R N B Prior
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16 May 1967 421 EN86
Dryinidae, Insect taxonomy, Macrosteles, Parasitic insects.

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NOTES ON COCCINELLIDAE OF HONG KONG.
V P Rao P Y So
Commonwealth Inst Biol Contr Tech Bull 9:9-24 REF
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Coccinellidae, Food plants, Insect taxonomy, Predaceous insects.

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J P Rogerson
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Oct 1966 421 EN86
Aphididae, Insect migration, Insect traps, Insect vectors, Myzus persicae, Potatoes, Surveys, Virus diseases (plants).

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J G Rozen
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Dec 1967 420 N48J
Dioxys, Insect taxonomy, Larvae, Megachilidae, Parasitic insects.
Includes key.
Abstract

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A LIST OF THE SPECIES OF MACROSIPHONIELLA DEL GUERCIO DESCRIBED FROM NORTH AMERICA (HOMOPTERA) (APHIDIDAE).
L M Russell
Entomol Soc Wash Proc 69(2):184-189
Jun 1967 420 W27
Aphididae, Macrosiphoniella, Zoogeography.

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A REVIEW OF THE SUBFAMILY HETERARTHRINAE IN NORTH AMERICA (HYMENOPTERA: TENTHREDINIDAE).
D R Smith
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Sep 1967 420 W27
Bidigitus, Food plants, Heterarthrinae, Insect taxonomy, Prolatus, Tenthredinidae.

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CONTRIBUTION TO THE ETHOLOGICAL AND ECOLOGICAL STUDY OF SPIDERS FROM EASTERN PROVENCE. IV. SOME SPIDERS OF THE GENUS ZELOTES GISTEL. (FR)
B Soyer
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Ecology, Spiders, Zelotes.

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H von Szelegiewicz

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Aphididae, Insect biology, Insect taxonomy.

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OBSERVATIONS ON THE ECOLOGY OF GLOSSINA MORSITANS SUBMORSITANS NEWST. IIN THE GUINEA-SUDAN TRANSITION SAVANNA OF NORT8EBN NIGERIA.
D W Tarry
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Glossina morsitans submorsitans, Insect behavior, Insect ecology, Zoogeography.

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AN ILLUSTRATED CATALOGUE OF TBE ROTHSCHILD COLLECTION OF NYCTERIBIIDAE (DIPTEBA) IN THE BRITISH MUSEUM (NATURAL HISTOBY); WITH KEYS AND SHORT DESCRIPTION FOR THE IDENTIFICATION OF SU8FAMILIES, GENERA, SPECIES AND SUBSPECIFS. QL468. T45.
O Thedor
506 P.,MAP
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Catalogs, Diptera, Insect identification, Insect taxonomy, Nycteribiidae.

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N Watanabe
Jap J Appl Entomol Zool 11(2):57-61
Jun 1967 475 J27
Insect morphology, Insect popnlations, Laodelphax striatellns, Nilaparvata lugens, Rice, Wings (insects).
English summary
Abstract

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RECORDS OF FIFTY-SIX BRITISH AND EUBOPEAN APHIDS (HEM., APHIDIDAE) WITH A NOTE CONCEBNING APHIDS FOUND ON ONAGRACEAE.
C S Wood-Baker
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Aphididae, Food plants, Onagraceae.

Physiology and Biochemistry

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F T Abushama
J Zool 153(4):453-461
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Acrididae, Geotropism, Insect behavior, Poecilocerns hieroglyphicus.
Abstract

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BEPORT OF SECOND WORK CONFEBENCE ON THE UTILIZATION OF NUCLEAR-POLYHEDROSIS VIRUS FOR TBE CONTBOL OF HELIOTHIS SPECIES.
G E Allen
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Sep 1967 421 J826
Biological control (insects), Conferences, Heliothis, Insect diseases, Polyhedroses.

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PRELIMINARY HOST PREFERENCE STUDIES OF CULEX TARSALIS COQUILLETT AND CULISETA INORNATA (WILLISTON) IN UTAH.
D M Andersen G C Collett B N Winget
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Mar 1967 421 M85
Birds, Culex tarsalis, Culiseta inornata, Mammals, Precipitin test.

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THE FUNCTIONAL SIGNIFICANCE OF THE NEBVI COBPORIS ALLATI 1 AND NERVI CORPORIS ALLATI 2 IN GRYLLODES SIGILLATUS.
V B Awasthi
J Insect Physiol 14(2):301-304 REF
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Corpora allata, Gryllodes sigillatus, Insect physiology, Nerves.
Abstract

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THE 8IOLOGY OF EUBYTOMA ROSENI CLARIDGE (HYM., EURYTOMIDAE).
R Bailey
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Oct 1966 421 EN86
Agropyron, Bracon tenuicornis, Eurytoma roseni, Gall-making insects, Hyperparasitism, Insect biology, Insect eggs, Larvae, Parasitic insects, Tetramesa hyalipennis.

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THE STRIDULATORY MECHANISM IN THBEE SPECIES OF PENTALOBUS (COLEOPTERA, PASSALIDAE).
W V Baker
Amer Midland Natur 78(1):241-244 REF
Jul 1967 410 M58
Insect morphology, Insect physiology, Morphology, Passalidae, Pentalobus, Physiology, Stridulation.
P. palini, P. barbatus, and P. savagei adults and larvae.

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A H 8aumhover C N Husman A J Graham
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1966
Cobalt isotopes, Cochliomyia hominivorax, Costs, Gamma rays, Insect genetics, Insect liberation, Insect nntrition, Insect rearing, Sterilization, X-rays.

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CZECHOSLOVAK SPECIES OF PONTANIA CRASSIPES-GBOUP (HYMENOPTERA, TENTHBEDINIDAE).
K 8enes
Acta Ent Bohemoslov 64(5):371-382 BEF
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Pontania, Salix, Tenthredinidae, Zoogeography.

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HOST SPECIFICITY TESTS WITH UROPLATA GIRABDI PIC., A LEAF-MINING HISPID FROM LANTANA CAMABA L.
F D Bennett S Maraj
Commonwealth Inst Biol Contr Tech Bull 9:53-60
Oct 1967 423.92 C733T
Biological control (weeds), Chrysomelidae, Food plants, Insect biology, Insect rearing, Lantana camara, Leaf miners, Parasitic insects, Predaceous insects, Uroplata girardi.

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QUANTITATIVE IMMUNOCHEMICAL AND ELECTROPHOBETIC COMPARISONS OF GLYCEBOLPBOSPHATE DEHYDBOGENASES IN SEVERAL INSECTS.
R W 8rosemer D S Grosso G Estes C W Carlson
J Insect Physiol 13(12):1757-1767 REF
Dec 1967 421 J825
Apis mellifera, Bees, Biochemistry, Electrophoresis, Glycerolphosphate dehydrogenase, Immunochemistry, Sarcophaga, Sphecidae, Syrphus.
Abstract

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BED 8UGS. IN: SMITH,C.N. INSECT COLONIZATION AND MASS PRODUCTION. QL497.S6.
G S 8nrden
175-182
1966
Cimex, Insect nntrition, Insect rearing, Insect rearing equipment, Laboratory animals.

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THE FINE STBUCTURE OF THE SPEBMATHECAE AND THEIR DUCTS IN THE MOSQUITO AEDES AEGYPTI.
A N Clements S A Potter
J Insect Physiol 13(12):1825-1836 BEF
Dec 1967 421 J825
Aedes aegypti, Insect histology, Reproductive organs.
Abstract

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CULEX PIPIENS PATIGANS WIED. IN: SMITH, C.N. INSECT COLONIZATION AND MASS PBODUCTION. QL497.S6.
B De Meillon V Thomas
101-114 REF
1966

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Culex pipiens quinquefasciatus, Insect genetics, Insect rearing, Sex.

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SOLUBILITY AND ELECTROPHORETIC PROPERTIES OF OVARIAL PROTEIN OF THE COCKROACH, LEUCOPHAEA MADERAE.
R K Dejmal V J Brookes
J Insect Physiol 14(3):371-381 REF
Mar 1968 421 J825
Electrophoresis, Hormones, Insect physiology, Leucophaea maderae, Ovaries, Proteins, Reproduction.

15753-68
BIOASSAY OF NUCLEAR-POLYHEDROSIS VIRUS AGAINST LARVAL INSTARS OF THE GYPSY MOTH.
C C Doane
J Invertebrate Pathol 9(3):376-386 REF
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Biological assay, Larvae, Polyhedroses, Porthetria dispar.
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Insecticides, Patents, Salicylanilides.

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Arthropoda, Benzoquinones, Biochemistry, Chromatography, Fungi, Insects.

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J Invertebrate Pathol 9(3):331-341
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Insect diseases, Melanoplus bivittatus, Melanoplus differentialis, Melanoplus sanguinipes, Neoplasms, Nosema acridophagus, Schistocerca americana.
Abstract

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EVIDENCE FOR A LIPID ACTIVATOR OF PROPHENOLASE IN TENEBRIO MOLITOR.
E A Heyneman R E Vercauteren
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Biochemistry, Enzymes, Insect physiology, Larvae, Lipids, Phenolases, Tenebrio molitor.

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Carbamates, Insecticides, Patents.

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Biochemistry, Bombyx mori, Coenzymes, Enzymes, Fat body, Insect metabolism, Insect physiology.

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Bacillus thuringiensis, Insect diseases, Pathogenesis.

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Parasitic insects, Sesamia nonagriodes botanephaga, Sugarcane.
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Light, Metamorphosis, Stomoxys calcitrans, Temperature.

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NOCTUIDAE). (RUS)
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Spodoptera exigua.
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Insecticides, Mammals, Metabolism, Microorganisms,
Radioactive tracers, Toxicology.

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Insect rearing equipment, Light, Temperature, Xenopsylla.

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ENZYMATIC HYDROLYSIS OF THE CRYSTALS OF BACILLUS
THURINGIENSIS BY THE PROTEASES OF PIERIS BRASSICAE. II.
TOXICITY OF DIFFERENT FRACTIONS OF THE HYDROLYSATE FOR
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Bacillus thuringiensis, Enzymes, Hydrolysates, Hydrolysis,
Pieris brassicae, Proteinases, Toxicology.
Abstract

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Bacillus thuringiensis, Enzymes, Hydrolysis, Lysates, Lysis,
Pieris brassicae, Proteinases.
Abstract

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Insect behavior, Insect biology, Insect nests,
Predaceous insects, Sphecidae, Tachytes.

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FEEDING BEHAVIOUR.
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Insect biology.
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Termite-proofing, Termites, Wolman salts.

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Livestock.

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THE DEVELOPMENT OF ACYRTHOSIPHON PISUM HARRIS (HOM.,
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Acyrthosiphon pisum, Amino acids, Aphididae, Biochemistry,
Insect nutrition, Insect physiology, Micronutrients, Vitamins.
English and Finnish abstracts.
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Insect eggs, Insect physiology, Soil moisture,
Tipula oleracea.
German summary
Abstract

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Insect biology, Insect nests, Metamorphosis, Sphecidae,

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Chilo iridescent virus, Insect diseases, Nephotettix cincticeps, Tissue culture, Virus diseases (insects).

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Carbamates, Insecticides, Patents.

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Culicoides arakawae, Experimental insects, Metamorphosis.
Abstract: The life cycle was completed at 25*C in 5-6 wks. the duration of each stage of it was as follows: the preoviposition period was 3 to 5 days, the egg one 2 days, the larval one 18 to 26 days, and the pupal one two days.

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Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Insecticides, Larvicides, Organophosphorus compounds, Stomoxys calcitrans, Thiocarbamates.

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Insect behavior, Insect rearing, Longevity, Simuliidae.

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Jap J Appl Entomol Zool 11(2):62-65
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Epicauta gorhami, Insect physiology, Insect rearing, Temperature.
English summary
Abstract

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THE STRUCTORE OF THE HEAD CAPSOLE AND MOOTH-PARTS OF COLICOIDES SCHULTZE; (ENDER) (DIPTERA: CHIRONOMIDAE).
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Culicoides schultzei, Head, Mouth.

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Culicoides, Culicoides schultzei, Insect eggs.

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Abstract

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Abstract

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J Insect Physiol 14(2):261-267
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Biochemistry, Hestina, Hibernation, Larvae, Phenolases.
English abstract
Abstract

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TYROSINE ACTIVITY IN THE EGGS OF WHITE-EYED MUTANTS IN THE SILKWORM, BOMBYX MORI. (GE)
M Osanai
J Insect Physiol 14(3):403-408
Mar 1968 421 J825
Biochemistry, Bombyx mori, Eyes, Insect eggs, Insect mutation, Insect physiology, Tyrosine.
English summary.

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Ddt, Endrin, Heptachlor, Musca domestica, Toxaphene.
German summary
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Insect behavior, Insect taxonomy, Myiasis, Oestridae, Oestromyia leporina, Rodents.

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Aegeriidae, Food plants, Insect nutrition, Insect pests, Insect rearing, Sanninoidea exitiosa.

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Insect rearing, Musca domestica.

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Agar, Aster yellows virus, Cicadellidae, Filters, Gels, Virus diseases (plants).
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Costs, Insect biology, Insect ecology, Insect rearing, Tephritidae.

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Acaricides, Boophilus microplus, Carbophenothion, Cattle, Dioxathion, Formothion, Immunity, Insect genetics, Insecticides, Ixodides, Organophosphorus compounds, Reproduction.

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Australian J Biol Sci 21(2):321-330 REF
Apr 1968 442.8 AU72
Acaricides, Acetylcholinesterases, Animal genetics, Boophilus microplus, Brain, Carbophenothion, Cattle, Cholinesterases, Histochemistry, Ixodides, Organophosphorus compounds.

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A F Stumpf
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Cuticle, Galleria mellonella, Insect anatomy.
English summary
Abstract

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Jap J Appl Entomol Zool 11(2):76-78
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Insect eggs, Nilaparvata lugens.

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Ann Trop Med Parasitol 61(4):465-471,MAP REF
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Chemical control (insects), Ddt, Dieldrin, Equipment, Glossina morsitans submorsitans, Insecticidal aerosols, Insecticide application, Spraying.

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Carbon disulfide, Hylemya brassicae, Mangel-wurzel, Ovulation, Rutabagas, Soil separates.
German summary
Abstract

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MEMBRANE POTENTIALS IN THE CENTRAL NERVOUS SYSTEM OF A PHYTOPHAGOUS INSECT (CARAUSIUS MOROSUS).
J E Treherne S H P Maddrell
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Bio-electric potential, Carausius morosus, Central nervous system, Electrophysiology.
Abstract

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Beans, Corn, Cottonseed, Heliothis, Insect control, Polyhedroses, Sorghum, Tomatoes.

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Insect nutrition, Insect rearing, Plant pests.

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S T Vasyurin N V Uspenskaya
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Agrotis segetum, Chemosterilants, Heliothis armigera, Reproduction, Spodoptera exigua, Sterility, Tepa.
English and Russian abstracts.

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Insect rearing, Ovulation, Wyeomyia.

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J A L Watson
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Feeding, Insect behavior, Insect physiology, Lepismodes, Reproduction, Thysanura.
Abstract

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DISEASES OF INSECTS. SB942 .W4. (CZ)
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554 P. CESKOSLOVENSKA AKADEMIE VED, PRAGUE
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Insect diseases.

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D F White K P Lamb
J Insect Physiol 14(3):395-402 REF
Mar 1968 421 J825
Brevicoryne brassicae, Fertility, Hormones, Insect genetics, Insect morphology, Insect physiology, Mortality.

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15829-68
LIFE HISTORY AND HABITS OF THE WILLOW BEAKED GALL MIDGE, MAYETIOLA RIGIDAE (DIPTERA: CECIDOMYIIDAE), IN MICHIGAN.
L P Wilson
Can Entomol 100(2):202-206
Feb 1968 421 C16
Hibernation, Host specificity, Insect morphology, Mayetiola rigidae, Oviposition.
Abstract

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THE ORIGIN OF PHOSPHOLIPID ETHANOLAMINE AND CHOLINE IN A SAWFLY, ACANTHOLYDA NEMORALIS.
Z M Zielinska H Dominas
J Insect Physiol 13(12):1769-1779 REF
Dec 1967 421 J825
Acantholyda nemoralis, Biochemistry, Choline, Ethanolamine, Phospholipids.
Abstract

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NEW DATA CONCERNING THE PARASITIC RELATIONSHIPS OF CONOPIDS (DIPTERA, CONOPIDAE). (RUS)
L V Zimina
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Conopidae, Insect taxonomy, Palearctic Region, Parasitic insects.
English and Russian abstracts.

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1967 442.8 C46
Chromosomes, Eriococcidae.
Abstract

15833-68
RED-EYE MUTATION IN RHODNIUS PROLIXUS (HEMIPTERA: REDUVIIDAE).
A D'Ascoli J C Gomez-Nunez
Amer Midland Natur 77(1):222
Jan 1967 410 M58
Color, Eyes, Genes, Insect genetics, Insect mutation, Reduviidae, Rhodnius prolixus.
Abstract: The red-eye mutation is due to a recessive, not sex-linked, gene.

15834-68
GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA MELANOGASTER. II. MATING BEHAVIOUR.
S M W Hosgood P A Parsons
Australian J Biol Sci 20(6):1193-1203 REF
Dec 1967 442.8 AU72
Drosophila melanogaster, Experimental insects, Heterogenesis, Insect genetics, Insect rearing, Polymorphism.
Abstract: Females in D. melanogaster derived from the same population have led to genetically discrete strains for two behavioural traits: percent of pairs mated in 60 mins., and duration of capulation.

15835-68
ON THE DEMARCABLE VARIABILITY OF SIBLING SPECIES IN LEAF BEETLES (COLEOPTERA, CHRYSOMELIDAE). (RUS)
L N Medvedev
Zool Zhur 47(6):843-849
May 1968 410 R92
Chrysomelidae, Insect genetics, Insect morphology.
English and Russian abstracts.

15836-68
GENETIC CONTROL OF MORPHOGENETIC VARIATION IN THE SEXCOMBS OF DROSOPHILA MELANOGASTER.
A S Mukherjee R K Datta N Mitra
Genetica 38(3):340-354 REF
1968 442.8 G282
Chromosomes, Drosophila melanogaster, Insect genetics, Insect morphology, Variance analysis.
Abstract

15837-68
THE MUTAGENICITY IN DROSOPHILA MELANOGASTER OF CAFFEINE AND OF OTHER COMPOUNDS WHICH PRODUCE CHROMOSOME BREAKAGE IN HUMAN CELLS IN CULTURE.
W Ostertag J Haake
Z Vererbungslehre 98(4):299-305 REF
Dec 1966 442.8 Z34
Caffeine, Chromosomes, Drosophila melanogaster, Larvae, Mutagens.
Abstract

15838-68
ECDYSONE AND ECDYSONE-ANALOGUES: THEIR ASSAY AND ACTION ON DIAPAUSING PUPAE OF THE CYNTHIA SILKWORM.
C M Williams
Biol Bull 134(2):344-355 REF
Apr 1968 442.8 B52
Diapause, Ecdysone, Hormones, Insect abnormalities, Insect genetics, Metamorphosis, Pupae, Samia cynthia.
Abstract: Evidence suggests that excessive ecdysone interferes with cytological expression and implementation of genetic instructions for forming a normal moth.

Medical Entomology

15839-68
MECHANISMS AND INHERITANCE OF RESISTANCE AND SELECTION OF RESISTANCE POTENTIAL IN AEDES AEGYPTI.
A W A Brown
World Health Organ Bull 36(4):578-580 REF
1967 449.9 W892B
Aedes aegypti, Heredity, Insecticide resistant insects.

15840-68
HISTORY OF AEDES AEGYPTI ERADICATION IN THE AMERICAS.
S Camargo
World Health Organ Bull 36(4):602-603
1967 449.9 W8928
Aedes aegypti, History, Insect control, Latin america, United States.

15841-68
AEDES AEGYPTI IN THE WESTERN PACIFIC REGION.
C Y Chow
World Health Organ Bull 36(4):544-546
1967 449.9 W892B
Aedes aegypti, Chemical control (insects), Ddt, Dieldrin, Insecticide resistant insects, Pacific region, Zoogeography.

15842-68
CANINE SCABIES--AN EMERGING ZOONOSIS.
A Freeman
Amer Vet Med Ass J 150(5):529-530
01 Mar 1967 41.8 AM3
Diagnosis, Dogs, Lindane, Rotenone, Sarcoptes scabiei, Scabies, Sulfur, Therapeutics, Zoonoses.

15843-68
AIR SPRAYING IS 85 PER CENT OF MOSQUITO CONTROL IN AGRICULTURAL DISTRICT AROUND BAKERSFIELD.
A F Geib
Pest Contr 35(11):35,36,38,39
Nov 1967 449.8 PX8
Aerial spraying, Chemical control (insects), Culicidae, Spraying.

15844-68
THE CONTROL OF AEDES AEGYPTI IN SOUTH-EAST ASIA AND THE WESTERN PACIFIC.
N G Gratz
World Health Organ Bull 36(4):614-617
1967 449.9 W892B
Aedes aegypti, Insect control, Pacific region, South-East Asia.

15845-68
ENVIRONMENTAL MANIPULATION AND HEALTH EDUCATION IN AEDES AEGYPTI CONTROL IN THAILAND.
S Jatanasen

World Health Organ Bull 36(4):636-638
1967 449.9 W892B
Aedes aegypti, Ecology, Health education, Insect control.

15846-68
BIOTIC FACTORS IN THE CONTROL OF AEDES AEGYPTI.
M Laird
World Health Organ Bull 36(4):625-627 REF
1967 449.9 W892B
Aedes aegypti, Ecology, Insect diseases,
Natural control (insects), Poisonous plants, Predators.

15847-68
EVALUATION OF INSECTICIDES AGAINST AEDES AEGYPTI (L.) AND CULEX PIPIENS QUINQUEFASCIATUS SAY (DIPTERA: CULICIDAE) IN BANGKOK, THAILAND.
C S Lofgren J E Scanlon V Israngura
Mosquito News 27(1):16-21
Mar 1967 421 M85
Aedes aegypti, Chemical control (insects),
Culex pipiens quinquefasciatus, Insecticides, Larvicides.

15848-68
THE DANGER-INDEX OF THE SYNANTHROPIC FLIES.
F Mihalyi
Acta Zool (budapest) 13(3-4):373-377
1967 410 AC85
Diptera, Ecology, Insect outbreak forecasting,
Insect populations, Statistics.

15849-68
OBSERVATIONS ON MAN-BITING MOSQUITOES IN JAMAICA.
W A Page
Roy Entomol Soc London Proc Ser A Gen Entomol
42(10-12):180-186
29 Dec 1967 420 L84PA
Asses, Baits, Chickens, Culicidae, Humans, Insect behavior,
Insect populations.
Abstract

15850-68
TRIALS WITH PYRETHRUM MOSQUITO COILS AGAINST ANOPHELES GAMBIAE ENTERING A VERANDAH-TRAP HUT.
A Smith W O Obudho
Pyrethrum Post 9(2):15-17
Oct 1967 421 P99
Anopheles gambiae, Insect traps, Insect vectors,
Insecticide application, Pyrethrum.

15851-68
DRUGS AND DISEASE AS MOSQUITO REPELLENTS IN MAN.
W G Strauss H I Maibach A A Khan
Amer J Trop Med Hyg 17(3):461-464
May 1968 448.8 AM326
Attractants, Culicidae, Drugs, Human diseases,
Insect repellents, Insect vectors, Thiamine, Vitamin b6.

15852-68
CATALOGUE OF ARTHROPOD-BORNE VIRUSES OF THE WORLD; A COLLECTION OF DATA ON REGISTERED ARTHROPOD-BORNE ANIMAL VIRUSES.
QR360 .T3.
R M Taylor
898 P. REF
1967
Animal diseases, Arthropoda, Human diseases, Insect vectors,
Viruses.

15853-68
ISOLATION OF A CALIFORNIA-GROUP ARBOVIRUS FROM AEDES ABSERRATUS (FELT AND YOUNG) IN SIMSBURY, CONNECTICUT.
L Whitman R C Wallis E A Leventhal
Amer J Trop Med Hyg 17(3):449-450
May 1968 448.8 AM326
Aedes, Aedes abserratus, Arboviruses, Culicidae,
Insect vectors, Virus diseases.

20 CROP PROTECTION

15854-68
DIABROTICA LONGICORNIS AS A VECTOR FOR FUSARIUM MONILIFORME CAUSING ROOT ROT OF CORN. (ABSTRACT).
L T Palmer T Kommedahl
Phytopathology 57(8):825
Aug 1967 464.8 P56
Corn, Diabrotica longicornis, Fungus diseases (plants),
Fusarium moniliforme, Fusarium roseum, Insect vectors,
Plant disease transmission, Root rot (corn).

15855-68
THE INFLUENCE OF MELOIDOGYNE INCOGNITA ON RHIZOCTONIA ROOT ROT IN TOBACCO. (ABSTRACT).
N T Powell C K Batten
Phytopathology 57(8):826
Aug 1967 464.8 P56
Crop varieties, Fungus diseases (plants),
Meloidogyne incognita, Plant nematode resistance,
Plant nematodes, Rhizoctonia solani, Root rot (tobacco),
Tobacco.

Diseases

15856-68
A BURIED FILTER METHOD FOR STUDYING BEHAVIOR OF FUNGI IN SOIL. (ABSTRACT).
P B Adams
Phytopathology 57(7):644
Jul 1967 464.8 P56
Filters, Fusarium solani, Soil fungi, Thielaviopsis basicola.

15857-68
MICROBIAL ECOLOGICAL RESPONSES FOLLOWING THE USE OF PESTICIDES. (ABSTRACT).
J Altman H Hoch
Phytopathology 57(8):801-802
Aug 1967 464.8 P56
Arthrobacter globiformis, Fumigants, Fungus diseases (plants),
Fusarium roseum, Pseudomonas fluorescens, Saprophytes,
Soil bacteria, Soil fungi.

15858-68
A. V. C. AGREPORT. 3.
Anonymous
Agr Vet Chem 8(6):147,149-162,164-166
Nov 1967 382 AG82
Coconuts, Cotton, Flax, Formulations, Jute, Peanuts,
Pesticides, Plant diseases, Rubber, Sugar cane,
World agricultural situation.

15859-68
WATER STRESS IN RELATION TO INITIATION AND DEVELOPMENT OF HYDOXYLON CANKER OF ASPEN. (ABSTRACT).
D K Bagga E B Smalley
Phytopathology 57(8):802
Aug 1967 464.8 P56
Canker (populus), Fungus diseases (plants),
Hypoxylon pruinatum, Populus, Soil moisture.

15860-68
COMBINED ACTION OF DIPHENYL AND GAMMA RADIATION ON THE IN VITRO DEVELOPMENT OF FUNGI PATHOGENIC IN CITRUS FRUITS.
R Barkai-Golan
Phytopathology 57(7):696-698
Jul 1967 464.8 P56
Citrus, Diphenyl, Fungus diseases (plants), Gamma rays,
Plant physiology.
Abstract

20 15861-68

15861-68
EFFECTS OF CONCENTRATION OF PYRIDOXINE AND BIOTIN ON PARASITIC DEVELOPMENT OF THE MYCOPARASITE, GONATOBOTRYUM FUSCUM. (ABSTRACT).
H L Barnett
Phytopathology 57(8):803
Aug 1967 464.8 P56
Biotin, Culture media, Gonatobotryum fuscum, Parasitism, Vitamin B6.

15862-68
LACK OF TRANSMITTAL OF CHLOROTIC LEAF SPOT VIRUS IN COLUMBIA CRAB TO ITS SEEDLINGS.
R J Bauske W F Buchholtz
Phytopathology 57(8):924
Aug 1967 464.8 P56
Apples, Chlorotic leafspot (apples), Plant disease transmission, Seedlings, Virus diseases (plants).

15863-68
INFLUENCE OF CALCIUM AND SULFUR ON MYCELIAL GROWTH AND SPORULATION OF FUSARIUM ROSEUM. (ABSTRACT).
G Bean
Phytopathology 57(7):644
Jul 1967 464.8 P56
Calcium, Fusarium roseum, Spore germination, Sulfur.

15864-68
COMPARATIVE FUNGITOXICITY OF SOME ORGANIC AND INORGANIC MERCURY FUNGICIDES. (ABSTRACT).
G A Bean
Phytopathology 57(7):644
Jul 1967 464.8 P56
Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Fusarium oxysporum, Fusarium roseum, Mercury compounds, Sclerotinia sclerotiorum, Turf.

15865-68
HAPLOSPORELLA CANKER OF CITRUS AURANTIPOLIA IN RAJASTHAN.
G C Bhatnagar N Prasad
Indian Phytopathol 20(1):74-77
Mar 1967 464.8 IN2
Canker (citrus), Haplosporella hesperidica, Limes.

15866-68
THE TRANSLOCATION OF POTATO VIRUS S, ISOLATE (EERSTELING), IN POTATO PLANTS.
J A Der Boky H A J I Waterreus
Neth J Plant Pathol 73(2):55-57
1967 464.8 T44
Plant translocation, Virus diseases (plants), Virus s (potatoes).

15867-68
SOME FACTORS AFFECTING VECTOR TRANSMISSION OF SOIL-BORNE WHEAT MOSAIC VIRUS FROM ROOT WASHINGS AND SOIL DEBRIS.
M K Brakke A P Estes
Phytopathology 57(8):905-910 REF
Aug 1967 464.8 P56
Mosaic (wheat), Plant disease transmission, Polymyxa graminis, Soil-borne plant diseases, Virus diseases (plants), Wheat.
Abstract: Soil debris was a good source of inoculum in autumn and winter, but not in spring and summer. Transmission was prevented by heating. Little infection was obtained from root washings in neomycin and none in aureomycin. Q. graminis spores probable source of virus.

15868-68
ON THE BIOLOGY OF PARASITIC PICNIDIAL FUNGI IN THE FOREST-STEPPE DISTRICT OF THE CENTRAL TCHERNOZJOM ZONE OF THE USSR. (RUS)
I E Brezhnev
Leningr Univ Vestnik Ser Biol (3):68-76 REF
1968 442.9 L542V
Fungus diseases (plants), Plant ecology, Plant physiology.
English abstract.

15869-68
ROLE OF VIRUS STRAINS AND LEAF ONTOGENY IN THE PRODUCTION OF MOSAIC PATTERNS BY TURNIP YELLOW MOSAIC VIRUS.
J P Chalcroft R E F Matthews
Virology 33(4):659-673 REF
Dec 1967 448.3 V81
Cabbage, Kinetin, Leaves, Plant diseases, Ribosomes, Virus diseases (plants), Yellow mosaic (turnips).

15870-68
OAK WILT INCIDENCE RELATED TO SITE PRODUCTIVITY IN HAMPSHIRE COUNTY, WEST VIRGINIA. (ABSTRACT).
W L Cones R P True
Phytopathology 57(7):645
Jul 1967 464.8 P56
Site index, Wilt (quercus).

15871-68
FLUCTUATIONS IN NUMBERS OF MONILINIA LAXA SPORES IN AN APRICOT ORCHARD. (ABSTRACT).
H B Schultz J B Corbin J M Ogawa
Phytopathology 57(8):807
Aug 1967 464.8 P56
Apricots, Fungus diseases (plants), Monilinia laxa.

15872-68
EFFECTS OF LOPHODERMIUM PINASTRI AND PULLULARIA PULLULANS ON HEALTHY AND OZONE-INJURED NEEDLES OF PINUS STROBUS. (ABSTRACT).
A C Costonis A A Sinclair
Phytopathology 57(8):807
Aug 1967 464.8 P56
Fungus diseases (plants), Lophodermium pinastri, Needle cast (pinus), Ozone, Pinus strobus, Pullularia pullulans, Tree injuries.

15873-68
PARASITIC FUNGI OF THE MAIN SUBTROPICAL ORNAMENTAL PLANTS IN ABKHAZ. SB733. D9. (RUS)
K T Dzhalagoniya
78 P. TBILISI
1965
Fungus diseases (plants), Ornamental plants, Tropical plants.

15874-68
NATURE OF VERTICILLIUM WILT RESISTANCE IN COTTON.
R H Garber B B Houston
Phytopathology 57(8):885-888 REF
Aug 1967 464.8 P56
Cotton, Crop varieties, Fungus diseases (plants), Plant disease resistance, Verticillium albo-atrum, Wilt (cotton).
Abstract: Symptoms expressed by the leaves of root-inoculated plants are governed primarily by some characteristic of the root system. It is suggested that symptoms result from the germination of conidia at the site of the symptom.

15875-68
ADAPTATION OF RHIZOBIUM TO THIURAM.
J Golebiowska H Kaszubiak M Pajewska
Acta Microbiol Polon 16(2):153-158
1967 448.3 AC82
Bacterial diseases (plants), Rhizobium, Thiram.
Abstract

15876-68
COMPARISON OF PHYTOALEXIN PRODUCED BY TWO SOYBEAN VARIETIES DIFFERING BY A SINGLE GENE. (ABSTRACT).
G Gray W L Klarman
Phytopathology 57(7):645
Jul 1967 464.8 P56
Biological assay, Monilinia fructicola, Phytophthora megasperma sojae, Plant disease resistance, Soybeans.

15877-68
A VIRUS FROM GOLDEN ELDERBERRY. (ABSTRACT).
A J Hansen
Phytopathology 57(8):813
Aug 1967 464.8 P56
Peaches, Prunus tomentosa, Prunus virginiana, Sambucus, Virus diseases (plants).

15878-68
ULTRASTRUCTURE OF CHLOROPLASIS IN ALBUGO- AND KINETIN-INDUCED "GREEN ISLANDS" ON BRASSICA JUNCEA. (ABSTRACT).
H Harding S S McNabola P H Williams
Phytopathology 57(8)=814
Aug 1967 464.8 P56
Albugo candida, Brassica juncea, Chloroplasts, Fungus diseases (plants), Kinetin, Plant abnormalities.

15879-68
LEAF CHARACTERISTICS OF EUCALYPTUS BICOSTATA MAIDEN ET AL SEEDLINGS AFFECTING THE DEPOSITION AND GERMINATION OF SPORES OF PHAEOSEPTORIA EUCALYPTI (HANSF.) WALKER.
W A Heather
Australian J Biol Sci 20(6):1155-1160

Dec 1967 442.5 AU72
Culture media, Eucalyptus bicostata, Leaf spot (Eucalyptus), Leaves, Plant diseases, Plant growth inbibitors, Rabies, Reproduction, Seed germination, Seedlings.

15880-68
INTERFRUITLET CORKING OF PINEAPPLE FIRST CAUSED BY PENICILLIUM FUNICULOSUM. (ABSTRACT).
A Hepton E J Anderson
Phytopathology 57(8):814-815
Aug 1967 464.8 P56
Penicillium funiculosum, Pineapples.

15881-68
EFFECTIVENESS OF SEVERAL FUNGICIDES IN PREVENTING SPREAD OF CYTOSPORA CANKER OF PEACH. (ABSTRACT).
K D Hickey K G Parker
Phytopathology 57(7):645-646
Jul 1967 464.8 P56
Canker (peaches), Chemical control (plant diseases), Cytospora, Fungicides, Fungus diseases (plants).

15882-68
FUNGICIDES FOR ARABICA COFFEE. 17. RELATIONSHIPS AMONG SOME NEW FUNGICIDES, LEAF RUST (HEMILETA VASTATRIX), LEAF FALL AND YIELD.
D Hocking G H Freeman
Arusha Trop Pesticides Res Inst Misc Rep 616,9 P
May 1967 423.92 G7922
Chemical control (plant diseases), Coffee, Fungicides, Fungus diseases (plants), Hemileia vastatrix, Leaf rust (coffee).

15883-68
FUNGAL POPULATIONS ASSOCIATED WITH MAIZE ROOTS. COMPOSITION AND COMPARISON OF MYCOFLORAS FROM GENOTYPES DIFFERING IN ROOT ROT RESISTANCE.
D Hornby A J Ullstrup
Phytopathology 57(8):869-875 REF
Aug 1967 464.8 P56
Corn, Fungus diseases (plants), Plant disease resistance, Rhizosphere, Root rot (corn), Soil fungi.
Abstract: The maize inbred lines Oh28 and N62:63-68 are susceptible to root and stalk rot, but B14 and the juvenescent mutant I are resistant. We investigated internal root and rhizosphere mycofloras of each genotype throughout two growing seasons by surface sterilization, soil plating, and soil dilution techniques. In all genotypes, root disease symptoms were similar but differed in time of appearance and in severity. We believe it was the maintenance of physiological vigor and a protracted senescence that distinguished the resistant plant.

15884-68
SURVIVAL OF TYPHULA SCLEROTIA IN THE RHIZOSPHERE OF FOUR CROP PLANTS AT TWO SOIL TEMPERATURES. (ABSTRACT).
D M Huber
Phytopathology 57(8):815-816
Aug 1967 464.8 P56
Barley, Clover, Field crops, Fungus diseases (plants), Peas, Rhizosphere, Soil temperature, Typhula idahoensis, Wheat.

15885-68
TEMPERATURE SENSITIVE MUTATIONS IN THE TOBACCO MOSAIC VIRUS. I. IN VIVO ACTIVITY. II. IN VITRO ACTIVITY. (GE)
H Jockusch
Z Vererbungslehre 98(4):320-362 REF
Dec 1966 442.8 Z34
Mosaic (tobacco), Mutation, Physiology, Proteins, Temperature, Tobacco.
English abstract.

15886-68
CHEMICAL CONTROL OF BEAN RUST. (ABSTRACT).
J G Kantzes L O Weaver
Phytopathology 57(7):646
Jul 1967 464.8 P56
Chemical control (plant diseases), Fungicides, Rust (beans).

15887-68
CYTOLOGY OF MIXED INFECTIONS WITH POTATO VIRUS X AND Y IN NICOTINIA TABACUM LEAVES. (ABSTRACT).
H E Kauffman W J Hooker
Phytopathology 57(8):816
Aug 1967 464.8 P56
Plant cytology, Tobacco, Virus diseases (plants), Virus Y (tobacco), Virus x (tobacco).

15888-68
ENZYMATIC SYNTHESIS AND DEGRADATION OF STARCH AND LIPID DURING CLUBROOT DEVELOPMENT IN CABBAGE. (ABSTRACT).
N T Keen J O Strandberg P H Williams
Phytopathology 57(8):816-817
Aug 1967 464.8 P56
Cabbage, Clubroot (cabbage), Enzymes, Fungus diseases (plants), Lipids, Plasmodiophora brassicae, Starches.

15889-68
SUNSCALD CANKER OF SUGAR MAPLE. (ABSTRACT).
K J Kessler J H Ohman
Phytopathology 57(8):817
Aug 1967 464.8 P56
Acer saccharum, Fungus diseases (plants), Insect pests, Sunscald canker (Acer saccharum).
The common name, sunscald canker, is proposed for this condition caused by a fungus-insect complex.

15890-68
IN VITRO PROTEIN SYNTHESIS IN A CELL-FREE SYSTEM FROM RHIZOPUS ARRHIZUS. (ABSTRACT).
C L Keswani D J Weber
Phytopathology 57(8):817
Aug 1967 464.8 P56
Culture media, Fungus diseases (plants), Proteins, Rhizopus arrhizus.

15891-68
LEAF CONSTITUENTS, APPLICATION RATES, AND INHIBITION LEVELS ASSOCIATED WITH SODIUM SACCHARIN AS RELATED TO XANTHOMONAS VESICATORIA RESISTANCE IN PEPPER (CAPSICUM ANNUUM). (ABSTRACT).
S H Kim D J Morton
Phytopathology 57(8):817
Aug 1967 464.8 P56
Bacterial diseases (plants), Bush redpeppers (vegetable), Crop varieties, Leaves, Plant analysis, Plant disease resistance, Saccharin, Xanthomonas vesicatoria.

15892-68
INHERITANCE OF REACTIONS IN SAFFLOWER TO LETTUCE MOSAIC VIRUS.
J M Klisiewicz
Phytopathology 57(7):789-790
Jul 1967 464.8 P56
Mosaic (safflower), Plant disease resistance, Plant genetics, Safflower.
Abstract

15893-68
AN ULTRASTRUCTURAL COMPARISON OF MAIZE DWARF MOSAIC VIRUS- AND SUGARCANE MOSAIC VIRUS-INFECTED LEAF CELLS OF ZEA MAYS. (ABSTRACT).
C J Krass R E Ford
Phytopathology 57(8):817
Aug 1967 464.8 P56
Corn, Dwarf mosaic (corn), Mosaic (corn), Virus diseases (plants).

15894-68
COMPARATIVE EFFECTS OF HELMINTHOSPORIUM CARBONUM AND H. VICTORIAE TOXINS ON SUSCEPTIBLE TISSUE. (ABSTRACT).
M S Kuo R P Scheffer
Phytopathology 57(8):817-818
Aug 1967 464.8 P56
Corn, Fungus diseases (plants), Helmintbosporium carbonum, Helminthosporium victoriae, Oats, Plant biochemistry, Plant disease resistance, Toxins.

15895-68
IMMUNORADIOAUTOGRAPHIC EVIDENCE FOR THE SYNTHESIS OF TMV ANTIGEN IN THE NUCLEUS. (ABSTRACT).
W G Langenberg D E Schlegel
Phytopathology 57(8):818
Aug 1967 464.8 P56
Antibodies, Antigens, Autoradiography, Biochemistry, Cell nucleus, Immunochemistry, Mosaic (tobacco), Virus diseases (plants).

15896-68
CARBON AND NITROGEN NUTRITION IN RELATION TO SEXUAL REPRODUCTION IN SPECIES OF PHYTOPHTHORA. (ABSTRACT).
J A Leal V G Gallegly V G Lilly
Phytopathology 57(7):646
Jul 1967 464.8 P56
Carbon, Nitrogen, Phytophthora, Plant nutrition, Plant reproduction.

20 15897-68

15897-68
SEPARATION OF A MILD DISEASE IN HELMINTHOSPORIUM VICTORIAE. (ABSTRACT).
G D Lindberg
Phytopathology 57(8):819
Aug 1967 464.8 P56
Culture media, Helminthosporium victoriae, Plant diseases.

15898-68
PREDISPOSITION TO THIELAVIOPSIS ROOT ROT BY PHYTOTOXINS OBTAINED FROM DECOMPOSING PLANT RESIDUES. (ABSTRACT).
R G Linderman T A Toussoun
Phytopathology 57(8):819
Aug 1967 464.8 P56
Cotton, Fungus diseases (plants), Plant biochemistry, Plant extracts, Plant residues, Root rot (cotton), Thielaviopsis basicola, Toxins.

15899-68
THE EFFECT OF STEM RUST ON YIELD OF WHEAT AT STILLWATER OKLAHOMA. (ABSTRACT).
R F Line C E Peet C H Kingsolver
Phytopathology 57(8):819
Aug 1967 464.8 P56
Crop yields, Fungus diseases (plants), Stem rust (wheat), Wheat.

15900-68
CHITIN MEDIA FOR SELECTIVE ISOLATION AND CULTURE OF ACTINOMYCETES.
Y Lingappa J L Lockwood
Phytopathology 52(4):317-323, BIBL. 323, TABS.
Apr 1962 464.8 P56
Actinomycetes, Chitin.

15901-68
PRODUCTION OF "STEM PITTING" DISEASE BY A SAP-TRANSMISSIBLE VIRUS FROM APPLE. (ABSTRACT).
R M Lister J B Bancroft J R Sbay
Phytopatbology 57(8):819
Aug 1967 464.8 P56
Apples, Chenopodium quinoa, Host indexing (plants), Latent virus (apples), Plant disease transmission, Sap, Virus diseases (plants).

15902-68
FLAX RUST RESISTANCE INDUCED BY A PREVIOUS INOCULATION. (ABSTRACT).
L J Littlefield
Phytopathology 57(8):819
Aug 1967 464.8 P56
Flax, Fungus diseases (plants), Immunization, Melampsora lini, Plant disease resistance, Rust (flax).

15903-68
THE ROLE OF PEROXIDASE IN RESISTANCE OF TOBACCO TO PSEUDOMONAS TABACI. (ABSTRACT).
L Lovrekovich H Lovrekovicb M A Stahmann
Phytopatbology 57(8):819-820
Aug 1967 464.8 P56
Bacterial diseases (plants), Peroxidases, Plant disease resistance, Pseudomonas tabaci, Tobacco.

15904-68
RELATIONSHIP BETWEEN THE MOLECULAR STRUCTURE OF CYTOKININS AND VICTORIN ACTIVITY. (ABSTRACT).
H H Luke T E Freeman
Pbytopatbology 57(8):820
Aug 1967 464.8 P56
Fungus diseases (plants), Helminthosporium victoriae, Kinins, Molecules, Oats, Victoria blight (oats), Victorin.

15905-68
CHEMICAL CONSTITUTION AND FUNGITOXICITY OF IMIDES AND THEIR IMIDE-SCCL3 COMPOUNDS.
R J Lukens J G Horsfall
Phytopathology 57(8):876-880 REF
Aug 1967 464.8 P56
Beans, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Imides, Powdery mildew (beans), Spore germination, Stemphylium sarcinaeforme.
Abstract: Imides containing an unsaturated ring are more inhibitory to spore germination than imides containing a saturated ring. Relationship of fungitoxicity to the oil: water partition coefficients of saturated (cyclic) imides is linear and positive, whereas fungitoxicity to pKa of imide-hydrogen of the compounds is linear and negative. A negative linear relationship occurring between disease control and thiol reaction of tbe imide SCCl3 compounds suggest tbat intact fungicide is degraded by fungal thiols.

15906-68
OCCURRENCE AND DISTRIBUTION OF STRAINS OF MAIZE DWARF MOSAIC VIRUS IN PENNSYLVANIA IN 1965 AND 1966. (ABSTRACT).
D A Mackenzie C C Wernham
Phytopatbology 57(8):820
Aug 1967 464.8 P56
Corn, Dwarf mosaic (corn), Virus diseases (plants).

15907-68
PHYSICAL AND CHEMICAL FACTORS CONTROLLING THE DEVELOPMENT OF INFECTION STRUCTURES FROM UREDIOSPORE GERM TUBES OF RUST FUNGI.
R Maheshwari P J Allen A C Hildebrandt
Phytopathology 57(8):855-862 REF
Aug 1967 464.8 P56
Beans, Chemistry, Fungus diseases (plants), Grain, Leaves, Ornamental plants, Physiology, Spore germination, Uredinales.
Abstract: Many rust fungi germinated on isolated host or nonhost cuticle. The effects of cuticle were duplicated by nitrocellulose membranes containing hydrocarbons isolated from tbe surface wax of snapdragon leaves or containing mineral oil. The surface wax of the leaf promoted infection by bean and snapdragon rust fungi. Infection developed in darkness at 20C. Wheat stem rust fungus developed infection in darkness at 20C. An unidentified volatile component inducing infection in wheat stem rust was obtained from distillation of extracts of wheat stem rust and sunflower rust. Neither pelargonaldehyde nor zinc induced germ tube differentiation. Zinc was toxic.

15908-68
HISTOCHEMICAL ANALYSIS OF THE BLISTER RUST FUNGUS, CRONARTIUM RIBICOLA. (ABSTRACT).
N E Martin
Phytopathology 57(8):820-821
Aug 1967 464.8 P56
Blister rust (pinus monticola), Cronartium ribicola, Fungus diseases (plants), Histochemistry, Pinus monticola.

15909-68
USE OF GROWTH RATES AT HIGH TEMPERATURES TO CONFIRM IDENTIFICATIONS OF VERTICILLIUM ALBO-ATRUM AND VERTICILLIUM DAHLIAE. (ABSTRACT).
C A Martinson L Englanoer
Phytopatnology 57(8):821
Aug 1967 464.8 P56
Fungus diseases (plants), Plant pbysiology, Temperature, Verticillium albo-atrum, Verticillium dahliae.

15910-68
INFLUENCE OF CULTURAL PRACTICES ON CUMIN WILT INCIDENCE.
B L Mathur B C Sankhla A L Matbur
Indian Phytopatbol 20(1):32-35
Mar 1967 464.8 IN2
Cuminum cyminum, Fusarium oxysporum, Plant disease resistance.

15911-68
GENETIC AND CYTOGENETIC STUDIES OF STEM RUST, LEAF RUST, AND POWDERY MILDEW RESISTANCES IN HOPE AND RELATED WHEAT CULTIVARS.
R A McIntosb N H Luig E P Baker
Australian J Biol Sci 20(6):1181-1192 REF
Dec 1967 442.8 AU72
Culture media, Leaf rust (wbeat), Plant breeding, Plant disease resistance, Plant diseases, Plant genetics, Powdery mildew (wheat), Seedlings, Stem rust (wbeat).

15912-68
DIFFERENTIAL MECHANICAL TRANSMISSION OF PRUNUS VIRUSES FROM SEED OF VARIOUS PRUNUS SPP. AND FROM DIFFERENT PARTS OF THE SAME SEED. (ABSTRACT).
El S Megahed J D Moore
Pbytopatbology 57(8):821-822
Aug 1967 464.8 P56
Cucumbers, Plant disease transmission, Prunus, Squash, Virus diseases (plants).

15913-68
IMPROVED DEPOSITION OF AIRBORNE UREDOSPORES OF PUCCINIA GRAMINIS AND P. STRIIFORMIS ON GLASS SLIDES AND ON WHEAT LEAVES BY USE OF A TURNTABLE. (ABSTRACT).
J S Melching
Phytopatbology 57(7):647
Jul 1967 464.8 P56
Air-borne plant diseases, Fungus diseases (plants), Particle size determination, Puccinia graminis, Puccinia striiformis, Wbeat.

15914-68
KINETICS OF QUINONE INACTIVATION OF TULARE APPLE MOSAIC VIRUS.
G I Mink
Virology 33(4):609-612
Dec 1967 448.8 V81
Assay, Kinetics, Quinones, Tulare mosaic (apples), Virus diseases (plants).

15915-68
LABORATORY EVALUATION OF FUNGICIDES FOR THE CONTROL OF STEM ROT PADDY.
A P Misra P K Das
Indian Phytopathol 20(1):36-41 REF
Mar 1967 464.8 IN2
Fungicides, Rice, Stem rot (rice).

15916-68
VEIN ENATION AND LEAF DROP OF TOMATOES GROWN IN CONTROLLED ENVIRONMENT CHAMBERS. (ABSTRACT).
J E Mitchell F J Vojtik
Phytopathology 57(8):823
Aug 1967 464.8 P56
Environment, Plant abnormalities, Potatoes, Tobacco, Tomatoes.

15917-68
RELATION OF TEMPERATURE TO PRUNE DWARF SYMPTOM EXPRESSION ON ITALIAN PRUNE LEAVES. (ABSTRACT).
J D Moore
Phytopathology 57(8):823
Aug 1967 464.8 P56
Leaves, Plums, Prune dwarf (plums), Temperature, Virus diseases (plants).

15918-68
EFFECT OF AROMATIC HYDROCARBONS ON TOMATO CROWN GALL CELLS. (ABSTRACT).
L W Moore M N Schroth
Phytopathology 57(8):823
Aug 1967 464.8 P56
Agrobacterium tumefaciens, Cells, Crown galls (tomatoes), Hydrocarbons, Tomatoes.

15919-68
EARLY DEVELOPMENT OF ERYSIPHE GRAMINIS F. SP. TRITICI ON WHEAT AS DETERMINED BY THE EFFECTS OF ULTRAVIOLET RADIATION. (ABSTRACT).
M S Mount A H Ellingboe
Phytopathology 57(8):823
Aug 1967 464.8 P56
Erysiphe graminis tritici, Fungus diseases (plants), Ultraviolet rays, Wheat.

15920-68
SOME PROPERTIES OF LEAF PROTEINS FROM VIRUS-TOLERANT AND VIRUS-SUSCEPTIBLE VARIETIES OF APPLE.
S Mukhopadhyay D F Millikan
Phytopathology 57(8):853-854
Aug 1967 464.8 P56
Ammonium sulfate, Apples, Electrophoresis, Leaves, Plant disease resistance, Proteins, Virus diseases (plants).
Abstract: Virus tolerant and virus-susceptible varieties of apple differ both qualitatively and quantitatively in protein content. The proteins associated with tolerance appear to be in the fraction that is not precipitated with ammonium sulfate.

15921-68
TYLOSES INDUCED BY CERATOCYSTIS FAGACEARUM IN OAK WILT DEVELOPMENT. (ABSTRACT).
V M G Nair J E Kuntz I W Sachs
Phytopathology 57(8):823-824
Aug 1967 464.8 P56
Callus (plants), Ceratocystis fagacearum, Fungus diseases (plants), Quercus, Wilt (quercus), Xylem.

15922-68
A PRESSURE CUSHION IS PRODUCED BY THE ANTHRACNOSE FUNGUS ON SYCAMORE. (ABSTRACT).
D Neely
Phytopathology 57(8):824
Aug 1967 464.8 P56
Anthracnose (platanus occidentalis), Fungus diseases (plants), Gnomonia platani, Platanus occidentalis.

15923-68
TIME AFTER INOCULATION AS A FACTOR IN THE APHID TRANSMISSIBILITY OF STRAINS OF CUCUMBER MOSAIC VIRUS. (ABSTRACT).
R A Normand T P Pirone
Phytopathology 57(8):824
Aug 1967 464.8 P56
Mosaic (tobacco), Myzus persicae, Plant disease transmission, Time, Tobacco, Virus diseases (plants).

15924-68
CALCIUM HYPOCHLORITE ADDED TO SELECTED FUNGICIDE SPRAYS IMPROVES EFFECTIVENESS IN DISEASE CONTROL. (ABSTRACT).
J M Ogawa G W Clason J W Corbin
Phytopathology 57(8):824
Aug 1967 464.8 P56
Calcium hypochlorite, Captan, Chemical control (plant diseases), Dichloro-4-nitroaniline, 2,6-, Fungicides, Fungus diseases (plants), Monilinia fructicola, Peaches, Plums, Sulfur.

15925-68
REACTION OF GUAR TO STRAINS OF TOBACCO RINGSPOT VIRUS.
R G Orellana
Phytopathology 57(7):791-792
Jul 1967 464.8 P56
Guar, Host indexing (plants), Necrosis (guar), Virus diseases (plants).

15926-68
METABOLIC ABERRATIONS IN TOMATOES INDUCED BY SUGAR BEET CURLY TOP INFECTION. (ABSTRACT).
N Panoupolos A H Gold
Phytopathology 57(8):825
Aug 1967 464.8 P56
Curly top (tomatoes), Plant metabolism, Tomatoes, Virus diseases (plants).

15927-68
BOTRYODIPLODIA DISEASE OF RUSSIAN-OLIVE. (ABSTRACT).
G W Peterson
Phytopathology 57(8):825-826
Aug 1967 464.8 P56
Botryodiplodia theobromae, Diplodia, Elaeagnus angustifolia, Fungus diseases (plants).

15928-68
A MECHANISM FOR THE REDUCTION OF FUSARIUM WILT BY A CEPHALOSPORIUM SPECIES.
D V Phillips C Lehen C C Allison
Phytopathology 57(8):916-919 REF
Aug 1967 464.8 P56
Biological control (weeds), Cephalosporium, Fungus diseases (plants), Fusarium oxysporum lycopersici, Wilt (tomatoes).
Abstract: One mechanism by which Cephalosporium sp. reduced symptoms is by vessel obstructions that reduced entry or prevented extensive spread of F. oxysporum f. lycopersici in the plant.

15929-68
LEAF SPOT DISEASES OF NEPHELIUM LITCHI CAMB.
S S Prasad
Indian Phytopathol 20(1):50-53
Mar 1967 464.8 IN2
Fungicides, Leaf spot (litchi), Nephelium litchi.

15930-68
MECHANICAL TRANSMISSION OF THE LETHAL YELLOWING PATHOGEN TO YOUNG COCONUT PALMS. (ABSTRACT).
W C Price A P Martinez D A Roberts
Phytopathology 57(8):826
Aug 1967 464.8 P56
Coconuts, Lethal yellowing (coconuts), Plant disease transmission.

15931-68
VARIATION IN PATHOGENICITY AND VIRULENCE IN SINGLE-SPORE ISOLATES OF ARMILLARIA MELLEA. (ABSTRACT).
R D Raabe
Phytopathology 57(8):826
Aug 1967 464.8 P56
Armillaria mellea, Dahlia, Fungus diseases (plants), Peaches, Pinus radiata.

15932-68
CELLULOLYTIC ENZYME ACTIVITY OF XANTHOMONAS ALFALFAE IN VITRO AND IN ASSOCIATION WITH BACTERIAL LEAF SPOT OF ALFALFA. (ABSTRACT).
M N Reddy D L Stuteville E L Sorensen
Phytopathology 57(8):827
Aug 1967 464.8 P56
Alfalfa, Bacterial leaf spot (alfalfa), Cellulase, Culture media, Enzymes, Plant biochemistry, Xanthomonas alfalfae.

15933-68
PENETRATION AND DEGRADATION OF CELL WALLS IN OAK SAPWOOD BY CERATOCYSTIS FAGACEARUM. (ABSTRACT).
I B Sachs V M G Nair J E Kuntz
Phytopathology 57(8):827-828
Aug 1967 464.8 P56
Cell wall, Ceratocystis fagacearum, Fungus diseases (plants), Quercus, Wilt (quercus), Xylem.

15934-68
BLIGHT DISEASE OF GROUNDNUT IN INDIA.
H K Saksena G P Singh S Nath
Indian Phytopathol 20(1):67-69
Mar 1967 464.8 IN2
Colletotrichum dematium, Leaf blight (peanuts), Peanuts.

15935-68
THE SOIL FUNGI, A BIOLOGICAL APPRAISAL.
R K Saksena
Indian Phytopathol 20(1) 13-25 REF
Mar 1967 464.8 IN2
Soil biology, Soil fungi.
A lecture of the Indian Phytopathological Society

15936-68
EFFECT OF HELMINTHOSPORIUM VICTORIAE TOXIN ON GERMINATION, ENZYME SECRETION, AND P-UPTAKE BY OAT SEEDS. (ABSTRACT).
K R Samaddar R P Scheffer
Phytopathology 57(8):828
Aug 1967 464.8 P56
Alpha-amylase, Enzymes, Fungus diseases (plants), Helminthosporium victoriae, Oats, Phosphorus, Plant disease resistance, Plant metabolism, Seed germination, Toxins.

15937-68
PSEUDO-ALLELISM AT THE LOCUS RP1 FOR RESISTANCE TO RUST IN MAIZE. (ABSTRACT).
K M S Saxena A L Hooker
Phytopathology 57(8):828
Aug 1967 464.8 P56
Alleles, Corn, Fungus diseases (plants), Plant disease resistance, Plant genetics, Puccinia sorghi, Rust (corn).

15938-68
STARCH DEPLETION AND THE PATTERNS OF ITS ACCUMULATION ASSOCIATED WITH DIFFERENT RUST REACTION TYPES OF UROMYCES PHASEOLI VAR. TYPICA RACE 32 ON VARIETIES OF PHASEOLUS. (ABSTRACT).
A L Schipper C J Mirocha
Phytopathology 57(8):829
Aug 1967 464.8 P56
Beans, Leaves, Plant metabolism, Rust (beans), Starches, Uromyces phaseoli typica.

15939-68
THE EFFECT OF ISOLATE, METHOD OF INOCULATION, AND LEVEL OF INOCULUM ON SYMPTOMS INDUCED BY PSEUDOMONAS GLYCINEA ON SOYBEAN. (ABSTRACT).
A F Schmitthenner C Leben
Phytopathology 57(8):829
Aug 1967 464.8 P56
Bacterial diseases (plants), Pseudomonas glycinea, Soybeans.

15940-68
NUCLEIC ACID AND SPECIFIC INFECTIVITY CHANGES IN BOTTOM COMPONENT OF TOBACCO RINGSPOT VIRUS. (ABSTRACT).
I R Schneider T O Diener
Phytopathology 57(8):829
Aug 1967 464.8 P56
Nucleic acids, Ring spot (tobacco), Tobacco, Virus diseases (plants).

15941-68
A SOFT ROT OF ELM BOOT CUTTINGS CAUSED BY FUSARIUM SOLANI.
L B Schreiber
Phytopathology 57(8):920-921
Aug 1967 464.8 P56
Fungus diseases (plants), Fusarium solani, Plant cuttings, Soft rot (Ulmus), Ulmus.

15942-68
QUANTITATIVE MEASUREMENT OF THE EMANATION OF WATER FROM UNDERGROUND PLANT PARTS. (ABSTRACT).
M N Schroth B Schippers
Phytopathology 57(8):829-830
Aug 1967 464.8 P56
Beans, Diffusion, Humidity, Measurement, Plant diseases, Plant water relations, Roots, Soil properties, Temperature, Water.
In relation to saprophytic and pathogenic activities of microorganisms

15943-68
ACCUMULATION OF SCOPOLIN AND SCOPOLETIN IN TOBACCO PLANTS INFECTED BY PSEUDOMONAS SOLANACEARUM. (ABSTRACT).
L Segueira
Phytopathology 57(8):830
Aug 1967 464.8 P56
Bacterial diseases (plants), Bacterial wilt (tobacco), Plant biochemistry, Pseudomonas solanacearum, Scopoletin, Scopolin, Tobacco.

15944-68
STUDIES ON A STRAIN OF SUGARCANE MOSAIC VIRUS CAUSING SEVERE MOSAIC DISEASE ON CO. 527 CANE AT NELLIKUPPAM.
M L Seth
Indian Phytopathol 20(1):54-56
Mar 1967 464.8 IN2
Mosaic (sugarcane), Sugarcane.

15945-68
STUDIES ON THE REMOVAL OF PROTEIN FROM TOBACCO MOSAIC VIRUS AFTER INOCULATION OF TOBACCO LEAVES. (ABSTRACT).
J G Shaw
Phytopathology 57(8):830
Aug 1967 464.8 P56
Carbon isotopes, Cold, Cycloheximide, Leaves, Mosaic (tobacco), Plant metabolism, Proteins, Radioactive tracers, Tobacco, Virus diseases (plants).

15946-68
DIURNAL PERIODICITY IN HELMINTHOSPORIUM AND ALTERNARIA SPORES IN THE AIR. (ABSTRACT).
J Sheehy J E Huguelet
Phytopathology 57(8):830
Aug 1967 464.8 P56
Air-borne plant diseases, Alternaria, Fungus diseases (plants), Helminthosporium, Humidity, Photoperiodism, Temperature.

15947-68
EFFECTS OF EARLY AND LATE INOCULATIONS OF ULMUS AMERICANA WITH CERATOCYSTIS ULMI ON THE RELATIVE CONCENTRATIONS OF NITROGENOUS COMPOUNDS IN THE XYLEM SAP. (ABSTRACT).
D Singh E B Smalley
Phytopathology 57(8):831
Aug 1967 464.8 P56
Ceratocystis ulmi, Dieback (ulmus), Fungus diseases (plants), Immunization, Nitrogen compounds, Plant metabolism, Sap, Ulmus americana, Xylem.

15948-68
INITIAL AND SUBSEQUENT SITES OF ASTER YELLOWS VIRUS INFECTION IN A LEAFHOPPER VECTOR.
R C Sinha L N Chiykowski
Virology 33(4):702-708 REF
Dec 1967 448.8 V81
Aster yellows (callistephus chinensis), Blood cells, Cicadellidae, Gastrointestinal system, Injections, Insect vectors, Macrosteles fascifrons, Salivary glands (insects), Seedlings, Virus diseases (plants).

15949-68
EFFECT OF GENES FOR RESISTANCE IN WHEAT UPON THE DEVELOPMENT OF ERYSIPHE GRAMINIS F. SP. TRITICI. (ABSTRACT).
R S Slesinski A H Ellingboe
Phytopathology 57(8):831
Aug 1967 464.8 P56
Erysiphe graminis tritici, Fungus diseases (plants), Genes, Plant disease resistance, Plant genetics, Powdery mildew (wheat), Wheat.

15950-68
ALTERATION OF STARCH AND NITROGEN IN SOYBEAN LEAVES INFECTED BY PSEUDOMONAS GLYCINEA. (ABSTRACT).
M A Smith B W Kennedy
Phytopathology 57(8):831-832
Aug 1967 464.8 P56
Bacterial blight (soybeans), Bacterial diseases (plants), Leaves, Nitrogen, Plant biochemistry, Plant disease resistance, Pseudomonas glycinea, Soybeans, Starches.

15951-68
MACERATING ACTION OF EXTRACTS OF RHIZOPUS-ROTTED SWEET-POTATOES AS AFFECTED BY IONS. (ABSTRACT).
D H Spalding M C Blomquist
Phytopathology 57(7):648

Jul 1967 464.8 P56
Ions, Plant extracts, Rhizopus, Sweetpotatoes.

15952-68
A BACTERIAL STEM ROT OF GREENHOUSE-GROWN TOMATO PLANTS.
D E Speights R S Halliwell C W Horne A R Hughes
Phytopathology 57(8):902-904 REF
Aug 1967 464.8 P56
Bacterial diseases (plants), Bacterial stem rot (tomatoes), Erwinia carotovora, Greenhouse culture, Tomatoes.
Abstract: The pathogen is characterized and identified as a highly virulent, atypical strain of Erwinia carotovora. This is the first known occurrence in Texas.

15953-68
ERADICATION OF POTATO VIRUS X BY THERMOTHERAPHY.
F C Stace-Smith R Stace-Smith
Phytopathology 57(7):674-678 REF
Jul 1967 464.8 P56
Heat, Plant disease control, Thermotherapy, Virus x (potatoes).
Abstract

15954-68
EFFECTS OF LIME ON INCIDENCE OF BOTRYTIS GRAY MOLD OF TOMATO.
R E Stall
Phytopathology 53(2):149-151, BIBL.
Feb 1963 464.8 P56
Botrytis cinerea, Calcium hydroxide, Gray mold (tomatoes), Limes, Soil hydrogen-ion concentration.

15955-68
STUNTING OF SOYBEANS BY PYTHIUM DEBARYANUM AND P. ULTIMUM. (ABSTRACT).
J F Strissel
Phytopathology 57(8):833
Aug 1967 464.8 P56
Crop varieties, Fungus diseases (plants), Plant disease resistance, Pythium debaryanum, Pythium ultimum, Soybeans.

15956-68
BIOLOGICAL CHARACTERISTICS OF FOMES FOMENTARIUS, FOUND ON SPRUCE AND BIRCH.
P A Suvorov
Can J Bot 45(10):1853-1857
Oct 1967 470 C16C
Betula, Fomes fomentarius, Picea abies, Plant physiology, Wood destroying fungi.
Abstract

15957-68
INFLUENCE OF CROPPING PRACTICES ON APHANOMYCES ROOT ROT POTENTIAL OF WISCONSIN PEA FIELDS.
M V Temp D J Hagedorn
Phytopathology 57(7):667-670
Jul 1967 464.8 P56
Aphanomyces euteiches, Crop rotation, Cultural control (plant diseases), Fungus diseases (plants), Root rot (peas).
Abstract

15958-68
RESISTANCE OF THE CELERY BACTERIAL BLIGHT ORGANISM TO STREPTOMYCIN IN THE EVERGLADES.
P L Thayer
Plant Dis Rep 47(7):605-607
15 Jul 1963 1.9 P69P
Bacterial blight (celery), Celery, Fungicides, Streptomycin.

15959-68
PROPERTIES OF PEANUT STUNT VIRUS. (ABSTRACT).
S A Tolin
Phytopathology 57(8):834
Aug 1967 464.8 P56
Biochemistry, Cowpeas, Nucleoproteins, Stunt (cowpeas), Virus diseases (plants).

15960-68
SWEETGUM LESION CAUSED BY BOTRYOSPHAERIA RIBIS.
E R Toole
Plant Dis Rep 47(3):229-231
15 Mar 1963 1.9 P69P
Botryosphaeria ribis, Liquidambar, Liquidambar styraciflua, Plant injuries.

15961-68
DOMESTIC QUARANTINE NOTICES. UNSHU ORANGES. QUARANTINE.
Fed Regist 32(106):7958
02 Jun 1967 L1.451
Canker (citrus), Interstate commerce, Oranges, Plant quarantine.

15962-68
XANTHOMONAS ROBRILINEANS ON ZEA MAYS IN INDIA.
R A Ollasa Y R Mehta M M Payak S L Senfro
Indian Phytopathol 20(1):77-78
Mar 1967 464.8 IN2
Corn, Stripe (corn), Xanthomonas rubrilineans.

15963-68
WHEAT STREAK MOSAIC VIRUS ON CORN IN NEBRASKA.
Phytopathology 53(3):279-280, BIBL.
Mar 1963 464.8 P56
Aceria tulipae, Streak mosaic (wheat).

15964-68
VARIETAL RESISTANCE IN TURMERIC TO LEAF SPOT DISEASE.
S Upadhyay M S Pavgi
Indian Phytopathol 20(1):29-31
Mar 1967 464.8 IN2
Curcuma longa, Plant disease resistance, Taphrina maculans.

15965-68
THE RING SPOT DISEASE OF RAPE IN AN INLAND PARKLAND REGION.
T C Vanterpool
Plant Dis Rep 44(5):362
15 May 1960 1.9 P69P
Cruciferae, Ring spot (crucifers), Ring spot (rape).

15966-68
THE EFFECT OF SOIL FUMIGATION COLONIZATION OF THE SPERMOSPHERE. (ABSTRACT).
A G Watson E K Vaughan
Phytopathology 57(8)=835
Aug 1967 464.8 P56
Chloropicrin, Fungus diseases (plants), Fusarium, Gliocladium, Methyl bromide, Penicillium, Pythium, Seed germination, Soil fumigation, Trichoderma, Turnips.
Fumigants used separately and mixed.

15967-68
INFECTIVITY DILUTION CURVE OF A LEAFHOPPER-BORNE VIRUS ON PLANT LEAVES. (ABSTRACT).
R F Whitcomb
Phytopathology 57(8):836
Aug 1967 464.8 P56
Aztec tobacco, Cicadellidae, Insect vectors, Virus diseases (plants), Yellow dwarf (Aztec tobacco).

15968-68
SOME VERTICILLIUM WILT-RESISTANT COTTONS ORTAINED BY INTEGRATED LABORATORY AND FIELD TESTS. (ABSTRACT).
S Wilhelm J E Sagen R Tietz
Phytopathology 57(8):836
Aug 1967 464.8 P56
Cotton, Crop varieties, Fungus diseases (plants), Plant disease resistance, Verticillium, Wilt (cotton).

15969-68
PRELIMINARY STUDIES ON THE IDENTITY OF A MOSAIC VIRUS FROM CORN IN OHIO. (ABSTRACT).
L E Williams D T Gordon
Phytopathology 57(8):836-837
Aug 1967 464.8 P56
Aphididae, Corn, Host indexing (plants), Insect vectors, Mosaic (corn), Plant disease transmission, Virus diseases (plants).

15970-68
ORIGIN OF FUNGAL COLONIES ON SOIL-DILUTION PLATES. (ABSTRACT).
L E Williams
Phytopathology 57(8):836
Aug 1967 464.8 P56
Culture media, Fungus diseases (plants), Soil fungi.

15971-68
A POSSIBLE SYNERGISM BETWEEN PHYTOPHTHORA PARASITICA VAR. NICOTIANAE AND A PENICILLIUM SP. IN CAUSING BLACK SHANK OF TOBACCO. (ABSTRACT).
W H Wills
Phytopathology 57(7):649
Jul 1967 464.8 P56
Black shank (tobacco), Fungus diseases (plants), Penicillium, Phytophthora parasitica nicotianae, Synergism.

15972-68
MOTILITY OF FUNGAL NUCLEI.
C L Wilson J R Aist
Phytopathology 57(7):769-771 REF
Jul 1967 464.8 P56
Cell nucleus, Ceratocystis fagacearum, Fomes annosus, Fungi.
Abstract

15973-68
BEANS AND OTHER LEGUMINOUS HOSTS OF PEANUT STUNT VIRUS. (ABSTRACT).
W J Zaumeyer R W Goth
Phytopathology 57(8):837
Aug 1967 464.8 P56
Beans, Host indexing (plants), Legumes, Stunt (legumes), Virus diseases (plants).

15974-68
CHANGES IN VIRULENCE OF TOBACCO MOSAIC VIRUS AFTER PASSAGE THROUGH A SUSCEPTIBLE OR A SEMIRESISTANT TOMATO. (ABSTRACT).
T A Zitter H H Murakishi
Phytopathology 57(8):837
Aug 1967 464.8 P56
Mosaic (tobacco), Mosaic (tomatoes), Plant disease resistance, Tobacco, Tomatoes, Virus diseases (plants).

Arthropods

15975-68
FIELD EVALUATION OF INSECTICIDES FOR CONTROL OF THE ALFALFA WEEVIL IN MARYLAND, 1962-66.
R M Coan V E Adler C C Blickenstaff A L Steinhauer
127,20 P.
Mar 1968 A420 R31
Alfalfa, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Hypera postica, Insecticides, Organophosphorus compounds.

15976-68
FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. S8951. F62.
3 V. ROME
1966
Integrated control (pests), Plant protection, Symposia.

15977-68
THE NECESSITY FOR AN INTEGRATED APPROACH IN PEST CONTROL.
H.T.REYNOLDS AND H.C.COUGH, RAPPORTEURS. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
1:19-91
1966
Integrated control (pests), Plant protection.
Includes introduction, summary, and discussion

15978-68
INTEGRATED CONTROL OF FOREST PESTS. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS S8951. F62.
J M Franz
3:65-76, REF.
1966
Forest insects, Forest management, Insect control, Insecticides, Integrated control (pests), Outlook, Pesticide application.

15979-68
BIONOMICS AND CONTROL OF TARSONEMUS MYCELIOPHAGUS (ACARINA: TARSONEMIDAE) IN MUSBROOM COMPOSTS.
N W Hussey B Gurney
Entomol Exp Appl 10(3):287-294
1967 421 EN895
Composts, Fumigation, Heat, Methyl bromide, Mites, Mushrooms, Tarsonemus myceliophagus.
German summary
Abstract

15980-68
DAMAGE BY LARVAE OF THE CORN EARWORM TO GRAIN SORGHUM.
H G Kinzer C F Henderson
J Econ Entomol 61(1):263-267
Feb 1968 421 J822
Crop losses, Heliothis zea, Insect behavior, Larvae, Sorghum.
Abstract

15981-68
ATTACK DISTRIBUTION OF DASYNEURA BRASSICAE WINNERTZ IN LARGE AREA PLANTATIONS (DIPTERA: ITONIDIDAE). (GE)
W Kuhne
Beitr Entomol 17(1/2):287-297 REF
1967 421 B392
Dasineura brassicae, Insect collecting equipment, Insect populations, Rape, Surveys.
English and Russian summaries.
Abstract

15982-68
THE USE OF STERILE MALES TO CONTROL POPULATIONS OF QUEENSLAND FRUIT-FLY, DACUS TRYONI (FROGG) (DIPTERA: TEPHRITIDAE). I. METHODS OF MASS-REARING, TRANSPORTING, IRRADIATING, AND RELEASING STERILE FLIES.
J Monro A W Osborn
Australian J Zool 15(3):461-473 REF
May 1967 410 AU73
Citrus, Cobalt isotopes, Dacus tryoni, Gamma rays, Insect control, Insect rearing, Sterility.
Abstract

15983-68
AN OBSERVATION CONCERNING THE BASIC QUESTION OF THE EFFICIENCY AND WORTH OF NATURAL ENEMIES OF PESTS. (GE)
G Morge
Beitr Entomol 17(1/2):225-233
1967 421 B392
Beneficial insects, Coniferae, Forest insects, Insect pests, Lonchaea, Lonchaea bruggeri, Lonchaea seitneri, Lonchaea zetterstedti, Natural control (insects), Palloptera usta, Scolytidae.
English and Russian summaries.
Abstract

15984-68
EFFECT OF SOIL TREATMENT WITH DISULFOTON (DISYSTON) GRANULAB UNDER LOW TEMPERATUBE CONDITIONS. (JA)
M Nakata Y Ishino
Jap J Appl Entomol Zool 11(4):187-188
Dec 1967 475 J27
Cold, Disulfoton, Insecticide application, Soils.

15985-68
RESISTANCE PATTEBN IN FOUB STRAINS OF INSECTICIDE-BESISTANT GBEEN RICE LEAFHOPPER, NEPHOTETTIX CINCTICEPS UHLEB, COLLECTED IN FIELDS. (JA)
K Ozaki Y Kurosu
Jap J Appl Entomol Zool 11(4):145-149 REF
Dec 1967 475 J27
Epn, Insecticide resistant insects, Malathion, Methyl parathion, Nephotettix cincticeps, Organophosphorus componnds, Rice.
English summary
Abstract

15986-68
INTRODUCTION OF COPIDOSOMA KOEBLERI BLANCHARD FOR THE CONTBOL OF THE POTATO TUBER MOTH, GNORIMOSCHEMA OPEBCULELLA (ZELLER) IN INDIA AND ITS SUPPLY TO TANZANIA AND MAUBIYIUS.
K Bamachandran Nair V P Rao
Commonwealth Inst Biol Contr Tech Bull 8:139-148 REF
Mar 1967 423.92 C733T
Biological control (insects), Copidosoma koehleri, Gnorimoschema operculella, Parasitic insects.

15987-68
THE WESTEBN LARCH BOBER, TETROPIUM VELUTINUM LECONTE, IN INTEBIOR BRITISH COLUMBIA.
D A Ross
Entomol Soc Brit Columbia Proc 64:25-28
01 Aug 1967 420 B77
Forest insects, Insect behavior, Larix occidentalis, Tetropium velutinum.
Describes galleries
Abstract

15988-68
TESTING OF DIFFERENT PESTICIDES AS CONTACT POISONS AGAINST TBE ADULTS OF MYZUS PERSICAE SULZ (HOMOPTERA: APHIDIDAE).
P Sarup D S Singh R Lal S Wadhwa
Indian J Entomol 29(1):84-91 REF
Mar 1967 420 IN23
Carbamates, Chlorinated hydrocarbons, Insecticides,

Myzus persicae, Organophosphorus compounds, Peaches, Pyrethrum, Rotenone, Tobacco, Vegetables.
Abstract

15989-68
A NEW APPROACH TO THE PHYSIOLOGICAL HOST PLANT-PARASITE RELATIONSHIP. A TECHNIQUE IN THE FIELD OF APPLIED ENTOMOLOGY.
J J H Storms P Harrewijn J P W Noordink
Neth J Plant Patnol 73(516):165-169
1967 464.8 T44
Beans, Economic ertomology, Insect pests, Mites, Myzus persicae, Phosphorus isotopes, Plant physiology, Population, Radioactive tracers, Radishes, Tetranychus urticae.
Dutch summary
Anstract

15990-68
FURTHER EXPERIENCE OBTAINED IN STDDIES ON DISPERSAL FLIGHTS OF MELIGETHES AENEUS F., MARKED WITH P32 (COLEOPTERA).
L Taimr J Sedivy E Bergmannova I Hanker
Acta Ent Bohemoslov 64(5):325-332
1967 420 C33
Ddt, Insect flight, Insect migration, Meligethes aeneus, Phosphorus isotopes, Radioactive tracers, Rape, Taraxacum.

15991-68
FOREIGN QUARANTINE NOTICES. FRUITS AND VEGETABLES. OKRA FROM CERTAIN SOUTH AMERICAN COUNTRIES.
Fed Regist 33(74):5791
16 Apr 1968 L1.451
Fumigants, Import control, Methyl bromide, Okra, Pectinophora gossypiella.

15992-68
THE ROLE OF PARASITES AND PREDATORS IN INTEGRATED CONTROL. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
R Van Den Bosch
2:143-147
1966
Biological control (insects), Insect ecology, Integrated control (pests), Natural control (insects), Parasitic insects, Predaceous insects.

15993-68
PEST RESISTANCE IN THE CONTEXT OF INTEGRATED CONTROL. IN: FAO SYMPOSIUM ON INTEGRATED PEST CONTROL, ROME, 1965. PROCEEDINGS. SB951. F62.
F P W Winteringham
1:25-32, REF.
1966
Insecticide resistant insects, Integrated control (pests).

15994-68
SUSCEPTIBILITY TO INSECTICIDES OF THE GREEN RICE LEAFHOPPER, NEPHOTETTIX CINCTICEPS UHLER, COLLECTED FROM VARIOUS LOCALITIES. (JA)
K Yoshioka T Iwata
Jap J Appl Entomol Zool 11(4):193-195
Dec 1967 475 J27
Insecticide resistant insects, Nephotettix cincticeps, Rice.

Nematodes

15995-68
A NOTE ON PLANT PARASITIC NEMATODES OF THE KATHMANDU VALLEY.
D D Bhatt
Indian Phytopathol 20(1):73-74
Mar 1967 464.8 IN2
Assay, Nematodes.

15996-68
RESOLUTE RESEARCH TO DEFEAT GRASSGRUB.
B B Given
New Zeal J Agr 116(4):82-83
Apr 1968 23 N48J
Costelytra zealandica, Insect ecology, Nematodes, Odontria variecolorata, Pinus radiata, Plant pest control.

15997-68
INFLUENCE OF HOST PHYSIOLOGY ON NEMATODE POPULATIONS.
L R Krusberg
Phytopathology 57(7):653-655 REF
Jul 1967 464.8 P56
Plant nematodes, Plant physiology.

15998-68
THE PENETRATION OF ORGANIC-HALIDE NEMATOCIDES INTO APHELENCHOS AVENAE. (ABSTRACT).
C P Marks I J Thomason C E Castro
Phytopathology 57(8):820
Aug 1967 464.8 P56
Aphelenchus avenae, Carbon isotopes, Dibromo-3-chloropropane, 1,2-, Ethylene dibromide, Halogen compounds, Nematocides, Organic compounds, Radioactive tracers.

15999-68
THE SUSCEPTIBILITY OF NEMATODES TO SUBFREEZING TEMPERATURES. (ABSTRACT).
P M Miller
Phytopathology 57(8):822
Aug 1967 464.8 P56
Cold, Mortality, Plant nematodes.

16000-68
EFFECT OF AN APHELENCHOIDES SPECIES ON THE GROWTH OF A MYCORRHIZAL AND A PSEUDOMYCORRHIZAL FUNGUS.
J W Riffle
Phytopathology 57(6):541-544
Jun 1967 464.8 P56
Aphelenchoides, Culture media, Fungi, Juniperus monosperma, Mycelium radicis atrovirens, Mycorrhiza, Pinus edulis, Pinus ponderosa, Plant nematodes, Suillus granulatus, Tree diseases.
Abstract:
nematodes were not able to maintain themselves in cultures that contained an agar medium without the fungi.

16001-68
A CYST NEMATODE FROM BIRCH IN ARKANSAS. (ABSTRACT).
R D Riggs M L Hamblen
Phytopathology 57(8):827
Aug 1967 464.8 P56
Alnus, Betula, Plant nematodes.

16DD2-68
EFFECTS OF TEMPERATURE ON THE FECUNDITY AND HATCH OF THE SOIL FLATWORM REARED ON FREE-LIVING AND PLANT-PARASITIC NEMATODES. (ABSTRACT).
R M Sayre E M Powers
Phytopathology 57(8):828-829
Aug 1967 464.8 P56
Adenoplea, Fertility, Nematodes, Plant nematodes, Soil temperature.
In relation to plant parasitic nematode control.

160D3-68
PSEUDHALENCHUS INDICUS, A NEW NEMATODE SPECIES FROM INDIA (TYLENCHINAE: NEMATODA).
C L Sethi G Swarup
Indian Phytopathol 20(1):26-28
Mar 1967 464.8 IN2
Grain, Plant nematodes, Tylenchidae.

16004-68
PHOSPHATE AND CARBAMATE INHIBITION OF THREE NEMATODE ESTERASES. (ABSTRACT).
H W Spurr E L Chancey
Phytopathology 57(8):832
Aug 1967 464.8 P56
Carbamates, Esterases, Nematocides, Phosphates, Plant nematodes.

16DD5-68
STUDIES ON THE CROSS INFECTIVITY AND PATHOGENICITY OF FIFTEEN ISOLATES OF ROOT-KNOT NEMATODES.
M Thirugnanam G Rangaswami
Indian Phytopathol 20(1):57-63
Mar 1967 464.8 IN2
Meloidogyne, Nematodes.
Fifteen species studied

16DD6-68
SOYBEAN CYST NEMATODE. REGULATED AREAS.
Fed Regist 33(105):7818-7819
29 May 1968 L1.451
Nematodes, Soybeans.

Weeds

16D07-68
METHOD OF CONTROLLING WEEDS. PATENT 3,393,994.
N E Achuff T F Wood
Us Patent Office Offic Gaz 852(4):939
23 Jul 1968 156.65 OF2
Chemical control (weeds), Herbicides, Indans, Patents.

16D08-68
BIOLOGICAL CONTROL OFCUSCUTA SPP. I. CUSCUTA SPP. AND INSECTS ASSOCIATED WITH THESE IN WEST PAKISTAN.
G M Baloch I M Din M A Ghani
Commonwealth Inst Biol Contr Tech Bull 8:149-158
Mar 1967 423.92 C733T
Biological control (weeds), Cuscuta, Insects, Parasitic plants.
Abstract

16D09-68
METHOD OF CONTROLLING WEEDS. PATENT 3,393,995.
W F Evans T F Wood
Us Patent Office Offic Gaz 852(4):939
23 Jul 1968 156.65 OF2
Chemical control (weeds), Herbicides, Hydrogen, Indans, Patents.

16D1D-68
THE USE OF SIMAZINE ON LAVANDULA PLOTS. (BU)
K Kazakova
Rast Zashch 15(6):32-34
1967 423.92 SO2
Chemical control (weeds), Lavandula, Simazine.

16D11-68
METHOD FOR CONTROLLING GROWTH OF SEEDLING WEED GRASSES.
PATENT 3,385,693.
R W Luckenbaugh
Us Patent Office Offic Gaz 850(4):1207
28 May 1968 156.65 OF2
Chemical control (weeds), Patents, Urea compounds.

16D12-68
METHOD FOR THE CONTROL OF WEEDS EMPLOYING HALOBENZYL ESTERS OF POLYBASIC ACIDS. PATENT 3,338,7D2.
J S Newcomer E D Weil E Dorfman J Linder
Us Patent Office Offic Gaz 841(5):1674
29 Aug 1967 156.65 OF2
Chemical control (weeds), Herbicides, Patents, Trichlorobenzyl acid ester, 2,3,6-, Weed control.

16D13-68
METHOD OF CONTROLLING UNDESIRABLE PLANT GROWTH.
PATENT 3,385,689.
S B Richter
Us Patent Office Offic Gaz 850(4):1206
28 May 1968 156.65 OF2
Cnemical control (weeds), Organophosphorus compounds, Patents.

16D14-6B
METHOD FOR CONTROLLING PLANT GROWTH. PATENT 3,385,691.
S J Strycker
Us Patent Office Offic Gaz 85D(4):1207
28 May 1968 156.65 OF2
Carbamates, Chemical control (weeds), Patents.

16D15-68
DOMESTIC QUARANTINE NOTICES. WITCHWEED.
Fed Regist 32(127):9496-9507
01 Jul 1967 L1.451
Parasitic plants, Plant quarantine, Striga, Weeds.

Other Pests

16D16-68
NEMATOCIDAL ACTIVITY OF PHORATE AND DISYSTON IN WOODY ORNAMENTALS.
H T Streu C M Heald Jr
Phytopathology 54(7):748-749
Jul 1964 464.8 P56
Chemical control (nematodes), Chemical control (plant diseases), Climbing plants, Disulfoton, Disyston, Nematocides, Phorate.

30 LIVESTOCK PROTECTION

16017-68
CONCENTRATIONS OF PENICILLIN IN MILK OF COWS FOLLOWING INTRAMUSCULAR ADMINISTRATION.
H Blobel C W Burch
Amer Vet Med Ass J 136(10):477-480
15 May 1960 41.8 AM3
Cattle, Injections, Milk, Penicillin.

Diseases

16018-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE SPECTINOMYCIN DIHYDROCHLORIDE PENTAHYDRATE.
Fed Regist 32(165):12409
25 Aug 1967 L1.451
Chickens, Mycoplasma gallisepticum, Respiratory diseases, Spectinomycin dihydrochloride pentahydrate, Water.

16019-68
CASE REPORT: SALMONELLA PULLORUM IN A MOSCOVY (CAIRINA MOSCHATA) DUCK.
H L Chute M Gershman
Avian Dis 7(2):168-169
May 1963 41.8 AV5
Bacterial diseases (animals), Muscovy ducks, Salmonellosis.

16020-68
MICROBIOLOGIC STUDY OF STRAINS OF MYCOPLASMA GALLISEPTICUM ISOLATED IN ARGENTINA.
A Colusi
Avian Dis 7(4):369-375, TABS.
Nov 1963 41.8 AV5
Argentina, Chronic respiratory disease, Microbiology.

16021-68
STUDIES ON FOWL CHOLERA. I. A BIOCHEMIC STUDY OF AVIAN PASTEURELLA MULTOCIDA STRAINS.
T A Dorsey
Avian Dis 7(4):386-392, TABS.
Nov 1963 41.8 AV5
Bacterial diseases (animals), Biochemistry, Fowl cholera, Pasteurellosis.

16022-68
ENTERIC LESION WITH INTRANUCLEAR INCLUSION BODIES IN PIGLETS.
H Fujiwara S Minamimoto S Namioka
Tokyo Nat Inst Anim Health Quart 8(1):53-54 SPRING 1968 41.9 T575Q
Adenoviruses, Animal diseases, Baby pigs, Cell nucleus, Inclusion bodies, Sconrs, Serological tests.

16023-68
CLONAL ANALYSIS OF EMBRYONIC CHINESE HAMSTER CELLS TRANSFORMED BY SCHMIDT--RUPPIN RSV IN VITRO.
I Hlozanek
Folia Biol (praha) 14(2):161-164 REF
1968 442.8 F712
Biological assay, Cells, Chicks, Hamsters, Neoplasms, Rous sarcoma virus.
Abstract

16024-68
CULTURE SURVEY OF SALMONELLA AT A BROILER-RAISING PLANT.
A F Kaufmann
Public Health Rep 83(5):417-422
May 1968 151.65 P96
Chickens, Culture media, Feathers, Feed, Food contamination, Meal, Poultry industry, Salmonella.

16025-68
PROPAGATION AND CYTOPATHIC EFFECT OF MYXOVIRUS YUCAIPA IN CHICKEN KIDNEY CELL CULTURE.
H Kawamura H Tsuhahara
Tokyo Nat Inst Anim Health Quart 8(1):1-7 SPRING 1968 41.9 T575Q
Chickens, Culture media, Cytology, Immunization, Myxovirus yucaipa, Virus diseases (animals).

16026-68
UNUSUAL LESIONS IN THEILERIA ANNULATA INFECTION IN A CALF.
K Khalifa J K Kadhim
Vet Rec 81(3):76-78
15 Jul 1967 41.8 V641
Calves, Theileria annulata.

16027-68
IN VITRO UPTAKE OF SELENIUM-75 BY RED BLOOD CELLS FROM THE IMMATURE OVINE DURING VARYING SELENIUM INTAKES.
P L Lopez R L Preston W H Pfander
J Nutr 94(2):219-226 REF
Feb 1968 389.8 J82
Erythrocytes, Lambs, Micronutrients, Poisons, Selenium isotopes.
Abstract

16028-68
POLYARTHRITIS IN A DOG.
N R McDonald L Loomis
Vet Rec 82(21):593-594
25 May 1968 41.8 V641
Arthritis, Chloramphenicol, Dogs, Drug therapy, Joint diseases, Leukocytosis, Penicillin, Phenylbutazone, Streptomycin.

16029-68
METABOLIC DISORDERS OF SHEEP: EARLIER PLANES OF NUTRITION.
O T Michael
Vet Rec 82(1):34-35
06 Jan 1968 41.8 V641
Animal nutrition, Metabolism diseases, Sheep.

16030-68
FACTORS AFFECTING CONCENTRATIONS OF DIMETHYLATED INDOLEALKYLAMINES IN PHALARIS TUBEROSA L.
R M Moore J D Williams J Chia
Australian J Biol Sci 20(6):1131-1140 REF
Dec 1967 442.8 AU72
Alkaloids, Grasses, Indole compounds, Light, Livestock diseases, Nitrates, Phalaris tuberosa, Sheep, Temperature.

16031-68
GRASS TETANY - EFFECTS OF ENVIRONMENT AND FERTILIZERS ON PASTURE HISTAMINE LEVELS.
M O:Sullivan
J Sci Food Agr 19(1):12-15
Jan 1968 382 SO12
Ammonium sulfate, Cattle, Climate, Grass tetany, Histamine, Magnesium, Potassium chloride, Sheep.

16032-68
CHEMICAL ANALYSIS OF BOVINE LIVER BIOPSY SPECIMENS. A COMPARISON OF DATA OBTAINED USING TWO BIOPSY TECHNIQUES AND BLOOD CONTAMINATION AS A SOURCE OF ANALYTICAL ERROR.
D S P Patterson W M Allen
Vet Rec 82(1):35-36
06 Jan 1968 41.8 V641
Biopsy, Blood, Cattle, Liver.

16033-68
TOXIC MYOPATHY IN TEXAS CATTLE.
K R Pierce P J O:Hara
Southwest Vet 20(3):179-184 MAP (SPRING) 1967 41.8 SO82
Cassia occidentalis, Cattle, Muscles, Myopathy, Poisonous plants, Toxicity.

16034-68
PERIODIC MEASUREMENT OF GROWTH AND CARCASS DEVELOPMENT FOLLOWING DIETHYLSTILBESTROL IMPLANTATION OF BOARS.
R F Plimpton V R Cahill H S Teague A P Grifo L E Kunkle
J Anim Sci 26(6):1319-1324 REF
Nov 1967 49 J82
Boars, Diethylstilbestrol, Meat.
Abstract:
to further evaluate the effectiveness of treatment with DES (diethylstilbestrol) and to obtain more information on the potential of the boar as a meat-producing animal, trials were conducted on growth and carcass development.

16035-68
THE USE OF FE 59 FOR STUDYING HAEMORRHAGE DUE TO EIMERIA TENELLA IN CHICKENS.
H Schanzel
Folia Parasitol 14(3):269-274 REF
1967 436.8 C33
Chickens, Eimeria tenella, Erythrocytes, Hemorrhage, Injections, Iron isotopes, Livestock diseases.
Abstract: Observe quantitatively and very accurately the duration, the course and the intensity of capillary bleedings, which depend proportionally on the number of oocysts administered.

16036-68
CULTIVATION IN VITRO OF PLASMODIUM GALLINACEUM OOCYSTS.
I Schneider
Exp Parasitol 22(2):178-186 REF
Apr 1968 436.8 EX7
Aedes aegypti, Chickens, Culture media, Physiology, Plasmodium gallinaceum, Protozoa, Tissue culture.
Abstract

16037-68
DERMATOPHILUS DERMATITIS (STREPTRICHOSIS) IN ONTARIO. II. LABORATORY FINDINGS.
G P Searcy T J Hulland
Can Vet J 9(1):16-21 REF
Jan 1968 41.8 R3224
Biopsy, Dermatophilus dermatitis, Inoculum, Rabbits, Streptotrichosis.
English and French summaries
Abstract

16038-68
AVIAN HELPER CELL AND ITS ROLE IN THE IN VITRO TRANSFER OF ROUS VIRUS (PRAGUE STRAIN) GENOME FROM RAT TUMOUR CELLS TO CHICK CELLS.
O Simkovic N Valentova
Folia Biol (praha) 14(1):34-42 REF
1968 442.8 F712
Cells, Chicks, Neoplasms, Physiology, Rats, Rous sarcoma virus.
Abstract

16039-68
SOME STUDIES ON THE INFECTIOUS BURSAL AGENT.
C Snedeker F K Wills I M Moulthrop
Avian Dis 11(4):519-528
Nov 1967 41.8 AV5
Chickens, Infectious bursal agent, Tenebrio, Vaccines, Virus diseases (animals).

16040-68
VIRAL GROOP SPECIFIC ANTIGEN IN MAMMALIAN ROUS TUMOORS DETECTED BY COMPLEMENT--FIXATION AND FLUORESCENT ANTIBODY TESTS.
V Sovova V Klement
Folia Biol (praha) 14(1):48-55 REF
1968 442.8 F712
Antigens, Avian leukosis complex viruses, Complement fixation, Fluorescent antibody technic, Hamsters, Mice, Neoplasms, Rats, Rous sarcoma.
Abstract

16041-68
QUANTITATIVE ASSAY SYSTEM FOR THE TRANSMISSION OF RSV GENOME FROM VIROGENIC MAMMALIAN CELLS INTO THE CHICKEN CELL WITH THE HELP OF HTE SENDAI VIRUS.
J Svoboda I Hlozanek O Machala
Folia Biol (praha) 14(1):26-33 REF
1968 442.8 F712
Agglutination, Biological assay, Cells, Chickens, Hamsters, Parainfluenza-1 virus, Rous sarcoma virus, Ultraviolet rays.
Abstract

16042-68
STEROID METABOLISM IN THE RABBIT. BILIARY AND ORINARY EXCRETION OF METABOLITES OF (4-14C)TESTOSTERONE.
W Taylor T Scratcherd
Biochem J 104(1):250-253 REF
Jul 1967 382 B52
Bile, Carbon isotopes, Excreta, Metabolism, Metabolites, Rabbits, Radioactive tracers, Steroids, Testosterone, Urine.

16043-68
STUDIES ON CARCINOGENESIS BY AVIAN SARCOMA VIRUSES. VI. DIFFERENTIAL MULTIPLICATION OF UNINFECTED AND OF CONVERTED CELLS IN RESPONSE TO INSULIN.
H M Temin
J Cell Compar Physiol 69(3):377-384 REF
Jun 1967 444.8 JB22
Carcinoma, Cells, Chick embryos, Insulin, Rous sarcoma virus.

16044-68
CATTLE DESTROYED BECAUSE OF BRUCELLOSIS (BANG:S DISEASE), TUBERCULOSIS, OR PARATUBERCULOSIS.
Fed Regist 32(130):9945
07 Jul 1967 L1.451
Brucellosis, Cattle, Johne's disease, Livestock diseases, Slaughtering, Tuberculosis.

16045-68
DUCK VIRUS ENTERITIS (DUCK PLAGUE). APPROVED SOURCE FLOCKS.
Fed Regist 33(83):6462
27 Apr 1968 L1.451
Ducks, Enteritis, Flockbooks (ducks), Virus diseases (animals).

16046-68
BRUCELLOSIS. DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS, AND SLAUGHTERING ESTABLISHMENTS.
Fed Regist 33(63):5209-5210
30 Mar 1968 L1.451
Brucellosis, Cattle, Interstate commerce.

16047-68
SCABIES IN SHEEP. INTERSTATE COMMERCE.
Fed Regist 33(90):6932-6933
08 May 1968 L1.451
Interstate commerce, Scabies, Sheep.

16048-68
DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS AND SLAUGHTERING ESTABLISHMENTS. MODIFIED CERTIFIED BRUCELLOSIS AREAS.
Fed Regist 32(141):10783-10784
22 Jul 1967 L1.451
Brucellosis, Cattle, Interstate commerce, Stockyards.

16049-68
HOG CHOLERA AND OTHER COMMUNICABLE SWINE DISEASES. ERADICATION AND FREE STATES.
Fed Regist 33(4):223
06 Jan 1968 L1.451
Hog cholera, Interstate commerce, Quarantine, Swine.

16050-68
HOG CHOLERA AND OTHER COMMUNICABLE SWINE DISEASES. APPROVED MODIFIED LIVE VIRUS VACCINES.
Fed Regist 32(214):15240
03 Nov 1967 L1.451
Hog cholera, Infectious diseases, Swine, Vaccines, Virus diseases (animals).

16051-68
DUCK VIRUS ENTERITIS (DUCK PLAGUE). APPROVED SOURCE FLOCKS.
Fed Regist 33(76):5942-5943
18 Apr 1968 L1.451
Breeding, Ducks, Enteritis, Flockbooks (ducks), Vaccines, Virus diseases (animals).

16052-68
SCABIES IN CATTLE. AREAS IN WASHINGTON QUARANTINED BECAUSE OF SCABIES.
Fed Regist 33(20):1175
30 Jan 1968 L1.451
Cattle, Interstate commerce, Quarantine, Scabies.

16053-68
SCABIES IN SHEEP. INTERSTATE MOVEMENT.
Fed Regist 32(155):11637
11 Aug 1967 L1.451
Interstate commerce, Scabies, Sheep.

16054-68
ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS. PROPOSED TERMINATION OF MARKETING AGREEMENT AND MARKETING ORDER.
Fed Regist 32(189):13668
29 Sep 1967 L1.451
Hog cholera, Hog cholera vaccines, Hog cholera virus.

16055-68
DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS, AND SLAUGHTERING ESTABLISHMENTS. MODIFIED CERTIFIED AREAS.
Fed Regist 33(94):7109-7110
14 May 1968 L1.451
Brucellosis, Cattle, Interstate commerce.

16056-68
TEXAS (SPLENETIC) FEVER IN CATTLE. RESTRICTIONS ON INTERSTATE MOVEMENT OF CATTLE, OTHER ANIMALS AND CERTAIN MATERIALS FROM, GUAM.
Fed Regist 32(154):11518-11519
10 Aug 1967 L1.451
Animal quarantine, Cattle, Interstate commerce, Piroplasmosis.

16057-68
DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS, AND SLAUGHTERING ESTABLISHMENTS.
Fed Regist 33(26):2625-2626
07 Feb 1968 L1.451
Brucellosis, Cattle, Interstate commerce.

16058-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES DIETHYLSTILBESTROL AND METHIMAZOLE.
Fed Regist 33(71):5635
11 Apr 1968 L1.451
Cattle, Diethylstilbestrol, Drugs, Feed additives, Methimazole.

16059-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE RONIDAZOLE.
Fed Regist 33(94):7128
14 May 1968 L1.451
Blackhead, Feed additives, Ronidazole, Turkeys.

16060-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES CHLORTETRACYCLINE, SULFATHIAZOLE, AND PENICILLIN.
Fed Regist 33(94):7128
14 May 1968 L1.451
Atrophic rhinitis, Chlortetracycline, Enteritis, Feed additives, Penicillin, Sulfatbiazole, Swine.

16061-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE NAPHTHALOPHOS.
Fed Regist 33(36):3239
21 Feb 1968 L1.451
Antbelmintics, Cattle, Feed additives, Napbtbalophos, Sheep.

16062-68
FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. SULFCHLORPYRIDAZINE.
Fed Regist 33(25):2605
06 Feb 1968 L1.451
Calves, Escherichia coli, Feed additives, Sultachlorpyridazine, Swine.

16063-68
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. AMMONIOM CHLORIDE.
Fed Regist 33(28):2774
09 Feb 1968 L1.451
Ammonium cbloride, Cattle, Feed additives, Sheep, Urinary calculi.

16064-68
FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. SULFADIMETHOXINE.
Fed Regist 33(28):2773
09 Feb 1968 L1.451
Cattle, Chickens, Coccidiosis, Coryza, Feed additives, Foot rot (animals), Fowl cholera, Pneumonia, Shipping fever, Sulfadimethoxine.

16065-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE DIEHLORVOS (2,2-DICHLOROVINYL DIMETHYL PHOSPHATE).
Fed Regist 33(29):2865
10 Feb 1968 L1.451
Anthelmintics, Dichlorvos, Feed additives, Swine.

16066-68
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES ERYTHROMYCIN AND DIETHYLSTILBESTROL.
Fed Regist 33(33):3083
16 Feb 1968 L1.451
Cattle, Diethylstilbestrol, Erytbromycin, Feed additives, Liver diseases.

16067-68
SCABIES IN CATTLE. REVOCATION OF QUARANTINE.
Fed Regist 33(39):3370-3371
27 Feb 1968 L1.451
Cattle, Interstate commerce, Quarantine, Scabies.

16068-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
Fed Regist 33(47):4343
08 Mar 1968 L1.451
Anthelmintics, Atropine, Drugs, Swine, Trichlorfon. Mixture of drugs

16069-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE SULFAMERAZINE.
Fed Regist 32(154):11579
10 Aug 1967 L1.451
Food additives, Furunculosis, Sulfamerazine, Trout.

16070-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES OLEANDOMYCIN AND DIETHYLSTILBESTROL.
Fed Regist 32(154):11579
10 Aug 1967 L1.451
Cattle, Dietbylstilbestrol, Fattening, Feed additives, Oleandomycin.

16071-68
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVE CHLORAMPHENICOL.
Fed Regist 32(233):16539
02 Dec 1967 L1.451
Calves, Cbloramphenicol, Colibacillosis, Enteritis, Feed additives, Pneumonia, Scours.

16072-68
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES.
Fed Regist 32(233):16539
02 Dec 1967 L1.451
Beef cattle, Feed additives, Lambs, Sodium tripolypbospbate, Tetrasodium ethylenediaminetetraacetic acid, Orinary calculi.

16073-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE OXYTETRACYCLINE.
Fed Regist 33(99):7502
21 May 1968 L1.451
Cattle, Hypodermic injections, Oxytetracycline-bydrocbloride, Swine.

16074-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
Fed Regist 33(71):5635
11 Apr 1968 L1.451
Aklomide, Chickens, Coccidiostats, Dinitrobenzamide, 3,5-, Erythromycin thiocyanate, Feed additives, Nitro-4-bydroxyphenylarsonic acid, 3-, Sulfanitran.

16075-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE COBALT ARSENATE.
Fed Regist 33(47):4343
08 Mar 1968 L1.451
Ascaris, Cbickens, Cobalt arsenate, Drugs, Feed additives.

16076-68
CATTLE DESTROYED BECAOSE OF BRUCELLOSIS (BANG:S DISEASE), TUBERCULOSIS, OR PARATUBERCOLOSIS. PAYMENT OF INDEMNITY CLAIMS.
Fed Regist 33(46):4260
07 Mar 1968 L1.451
Brucellosis, Cattle, Jobne's disease, Slaugbtering, Tuberculosis.

16077-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE THIABENDAZOLE.
Fed Regist 33(66):5377
04 Apr 1968 L1.451
Anthelmintics, Baby pigs, Food additives, Tbiazolyl)-benzimidizole, 2-(4-.

16078-68
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES DIENESTROL DIACETATE, ZOALENE, AND PROCAINE PENICILLIN.
Fed Regist 33(66):5378
04 Apr 1968 L1.451
Chickens, Dienestrol diacetate, Drugs, Food additives, Procaine penicillin, Zoalene.

16079-68
NOTICE OF FILING OF PETITIONS FOR FOOD ADDITIVES BUQUINOLATE, CHLORTETRACYCLINE, SODIUM SULFATE, ARSANILIC ACID, 3-NITRO-4-HYDROXYPHENYLARSONIC ACID.
Fed Regist 33(107):8234

30 1608D-68

D1 Jun 1968 L1.451
Arsanilic acid, Buquinolate, Cbickens, Chlortetiacycline,
Cbronic respiratory disease, Coccidiosis, Enteritis,
Feed additives, Nitro-4-hydroxyphenylarsonic acid, 3-,
Sodium sulfate, Synovitis.

16D8D-68
OXYTETRACYCLINE HYDROCHLORIDE.
Fed Regist 32(161):11988
19 Aug 1967 L1.451
Drugs, Oxytetracycline hydrochloride.

16081-68
FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF
ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS.
BUQUINOLATE.
Fed Regist 32(161):11988
19 Aug 1967 L1.451
Buquinolate, Coccidiostats, Escherichia maxima,
Feed additives.

16082-68
FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF
ANIMALS OR FOR THE THEATMENT OF FOOD-PRODUCING ANIMALS.
AMPROLIUM, ARSANILIC ACID, ERYTHROMYCIN THIOCYANATE,
ETHOPABATE, ZOALENE.
Fed Regist 32(125):9224-9225
29 Jun 1967 L1.451
Chickens, Feed additives, Livestock, Turkeys.

16083-68
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF
ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS.
CARBARSONE.
Fed Regist 33(22):2441-2442
01 Feb 1968 L1.451
Blackhead, Carbarsone, Cbickens, Feed additives, Turkeys.

16084-68
CARBARSONE AND ANTIBIOTICS IN POULTRY FEED. PROPOSED
REVOCATION OF EXEMPTION FROM CERTIFICATION REQUIREMENTS.
Fed Regist 33(22):2451-2452
01 Feb 1968 L1.451
Antibiotics, Carbarsone, Feed additives, Poultry.

16085-68
CARBARSONE, LOW-LEVEL ANTIBIOTICS; NOTICE OF OPPORTUNITY FOR
HEARING.
Fed Regist 33(22):2461
01 Feb 1968 L1.451
Antibiotics, Carbarsone, Chickens, Feed additives, Turkeys.

16086-68
FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF
ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS.
FURALTADONE.
Fed Regist 32(140):10734-10735
21 Jul 1967 L1.451
Cattle, Feed additives, Furmetbonol, Mastitis, Milk.

16087-68
REPORT OF CLOSTRIDIUM IN CAPONS.
D K Weymouth M Gershman H L Cbute
Avian Dis 7(3):342-343
Aug 1963 41.8 AV5
Bacterial diseases (animals), Capons, Castration,
Clostridium perfringens bacterin.

16088-68
HYBRIDIZATION OF AVIAN MYELOBLASTOSIS VIRUS RNA AND
DNA FROM CHICK EMBRYO CELLS.
D E Wilson H Bauer
Virology 33(4):754-757 REF
Dec 1967 448.8 V81
Avian myeloblastosis, Breeding, Chick embryos,
Deoxyribonucleic acid, Nucleic acids, Ribonucleic acid,
Rous sarcoma virus, Virus diseases (animals).

16089-68
SERUM NEUTRALIZATION TEST WITH WESTERN EQUINE
ENCEPHALITIS (WEE) AND JAPANESE ENCEPHALITIS-(JE)
VIRUSES USING THE AGAR COVER SLIP (ACS) INOCULATION
TECHNIQUE.
K Yosbino S Taniguchi H Takeuchi
Arch Gesamte Virusforsch 22(3-4):462-466 REF
1967 448.3 AR23
Japanese b encepbalitis virus, Serodiagnosis,
Serum neutralization test,
Western equine encephalomyelitis virus.

Arthropods

16D90-68
AN ASSOCIATION BETWEEN SERUM AMYLASE PHENOTYPE AND TICK
INFESTATION IN CATTLE.
G C Ashton G W Seifert J Francis
Australian J Biol Sci 21(2):303-308
Apr 1968 442.8 AU72
Amylases, Boophilus microplus, Cattle, Ixodidae, Serum.
Abstract: Tick burden was regressed on phenotype within
populations and it was found that animals with An C
phenotype carried significantly more ticks than other
phenotypes.

16091-68
PARASITIC MITES. IN: SMITH,C.N.INSECT COLONIZATION AND
MASS PRODUCTION. QL497.S6.
J R Audy M M J Lavoipierre
25-48 REF
1966
Animals, Insect ecology, Insect rearing, Mites,
Parasitic insects, Vertebrates.

16092-68
PROSAHCOPTIC SCABIES (PROSAHCOPTES PITHECI PHILIPPE, 1948)
IN A CAPUCHIN MONKEY (CEBUS C. CAPUCINUS). (GE)
E Kutzer W Grunberg
Z Parasitenk 28(3):290-298 REF.
1967 442.8 Z33F
Mites, Monkeys, Parasitism, Prosarcoptes pitheci, Scabies,
Taxonomy.

16093-68
SHEEP ECTOPARASITE CONTROL. II. TOXICITY TO SHEEP, AND
RESIDUES OF DIAZINON AND LINDANE.
J G Mattbysse W H Gutenmann R Gigger
J Econ Entomol 61(1):207-209 REF
Feb 1968 421 J822
Chemical control (insects), Diazinon, Fat body,
Insecticide residues, Lindane, Poisoning, Sheep, Toxicity.
Abstract

16D94-68
EFFECTS OF VITAMIN A DEFICIENCY AND KED RESISTANCE ON THE
FEEDING OF DERMACENTOR ANDERSONI ON SHEEP.
W A Nelson J Weintraub B Hironaka
Exp Parasitol 22(2):240-244 REF
Apr 1968 436.9 EX7
Avitaminosis, Dermacentor andersoni, Food habits,
Melopbagus ovinus, Mortality, Physiology, Sheep,
Tick paralysis, Vitamin a.
Abstract

Parasites

16095-68
STUDIES ON EXPERIMENTAL INFECTIONS WITH FASCIOLA
HEPATICA, WITH PARTICULAR REFERENCE TO ACUTE FASCIOLIASIS
IN SHEEP.
J C Boray
Ann Trop Med Parasitol 61(4):439-450
Dec 1967 448.9 L75A
Animal diseases, Antbelmintics, Fasciola hepatica,
Fascioliasis, Parasitism, Sheep,
Thiazolyl)-benzimidizole, 2-(4-.

16096-68
SUMMARY OF RECENT ABSTRACTS. IX. HELMINTHIASIS.
F Hawking
Trop Dis Bull 64(10):1053-1071
1967 448.8 T752
Helmintbiasis, Humans, Livestock.
Abstract

16097-68
THE OCCURRENCE OF SKRJABINUS MURI'S STSCHERBAKOVA, 1942 (TREMATODA), IN APODEMUS FLAVICOLLIS IN HUNGARY.
I Matskasi
Acta Zool (budapest) 13(3-4):367-371
1967 410 AC85
Mice, Skrjabinus muris, Surveys, Taxonomy, Trematoda.

16098-68
A DISEASE OF ASCARIS LUMBRICOIDES IN CANADA. (ABSTRACT).
G A McKinnon
Entomol Soc Manitoba Proc 22:28
1966 420 EN88
Animal diseases, Ascaris lumbricoides.
Believed to be bacterial
Abstract

16099-68
ULTRASTRUCTURAL ENZYME LOCALIZATION IN THE SURFACE OF MONILIFORMIS DUBIUS (ACANTHOCEPHALA).
A H Rothman
Exp Parasitol 21(1):42-46 REF
Aug 1967 436.8 EX7
Acid phosphatase, Alkaline phosphatase, Cholinesterases, Electron microscopy, Enzymes, Moniliformis dubius, Periplaneta americana, Rats, Ultrastructure.
M. dubius obtained from P. americana.
Abstract

16100-68
THE BIOCHEMICAL MECHANISM OF ACTION OF THE ANTHELMINTIC DRUG TETRAMISOLE.
F Van Den Bossche P A J Janssen
Life Sci 6(16,PT.1):1781-1792 REF
15 Aug 1967 442.8 L62
Anthelmintics, Ascaris lumbricoides, Metabolism, Swine, Tetramisole.

16101-68
RESULTS OF EXPERIMENTAL STUDIES ON THE DEVELOPMENT OF PRE-INVASIVE STAGES OF WORMS OF THE GENUS THELAZIA BOSC., 1819 (SPIRURATA: NEMATODA), PARASITIC IN THE EYE OF CATTLE.
I Vilagiova
Folia Parasitol 14(3):275-280
1967 436.8 C33
Cattle, Eyes, Larvae, Metamorphosis, Musca autumnalis, Nematodes, Parasitism, Thelazia, Thelazia gulosa, Thelazia rhodesii, Thelazia skrjabini.

16102-68
ANCYLOSTOMA CEYLANICUM INFECTION IN DOGS, CATS, AND MAN IN TAIWAN.
Y Yoshida K Okamoto J K Chiu
Amer J Trop Med Hyg 17(3):378-381 REF
May 1968 448.8 AM326
Ancylostoma ceylanicum, Ancylostomiasis, Cats, Dogs, Human diseases, Pets.

40 COMMODITY PROTECTION

16103-68
OF MANGOES AND PLUMS FROM MEXICO AND PLUMS FROM GUATEMALA.
Fed Regist 33(80):6227-6228
24 Apr 1968 L1.451
Fumigation, Import control, Mangoes, Plums.

16104-68
FORMOSAN SUBTERRANEAN TERMITE. NOTICE OF WITHDRAWAL OF PROPOSED QUARANTINE.
Fed Regist 33(95):7155
15 May 1968 L1.451
Interstate commerce, Quarantine, Termites.

Storage Diseases

16105-68
CHROMATOGRAPHIC STUDIES ON PRESERVATIVES IN THE WOOD OF SOME CONIFERS, ESPECIALLY OF THE GENUS ABIES, PICEA, AND PINUS.
S B Challen M Kucera
J Chromatography 31(2):345-353 REF
Dec 1967 475 J824
Abies, Benzene hexachloride, Bis(tributyltin) oxide, Chromatography, Lumber preservatives, Pentachlorophenol, Phenylphenol, Picea, Pinus, Polychloronaphthalene.

16106-68
OBSERVATIONS ON STORAGE DISEASES OF CERTAIN FRUITS.
R N Tandon
Indian Phytopathol 20(1):1-12 REF
Mar 1967 464.8 IN2
Fruit, Fungi, Storage diseases.
Speech given to Indian Phytopathological Society

Arthropods

16107-68
OLD HOUSE BORER, PURDUE:S FORMOSAN TERMITE STUDY, AND DRY ROT REPORTING ARE DISCUSSED IN PHILADELPHIA.
Anonymous
Pest Contr 35(12):28-30
Dec 1967 449.8 EX8
Chlorinated hydrocarbons, Coptotermes formosanus, Dry rot (wood), Hylotrupes bajulns, Insect behavior, Insecticides, Termites.

16108-68
LINDANE CONTROLS LYCTUS POWDER-POST BEETLES DURING AIR-DRYING OF ROUGH ASH LUMBER.
V K Smith
J Econ Entomol 61(1):323-324
Feb 1968 421 J822
Fraxinus, Lindane, Lumber preservation, Lumber seasoning, Lyctus, Tropoxylon.

16109-68
POPULATION DYNAMICS OF THE FLOUR BEETLE TRIBOLIUM CASTANEUM HERBST. FILM 718.
D W Strawbridge
95 LEAVES, REF CHICAGO
1953
Insect populations, Tribolium castaneum.
Bibliography, leaves 94-95

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microfilm

50 ENVIRONMENTAL CONTAMINATION

Microbial Contamination

16110-68
CONTROLLED AERATION OF RICE IN BULK.
O Myklestad
J Sci Food Agr 19(1):41-46
Jan 1968 382 S012
Humidity, Molds, Rice, Storage, Temperature, Ventilation.

16111-68
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVE GAMMA RADIATION.
Fed Regist 32(157):11745
15 Aug 1967 L1.451
Cesium isotopes, Cobalt isotopes, Food additives, Food preservatives, Gamma rays, Microorganisms, Strawberries.

16112-68
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVE GAMMA RADIATION.
Fed Regist 32(157):11745
15 Aug 1967 L1.451
Cesium isotopes, Cobalt isotopes, Food additives, Food preservatives, Gamma rays, Lemons, Oranges.

16113-68
PESTICIDE MONITORING PROGRAMS.
P A Butler
U S Fish Wildlife Serv 260:13-14,MAP
Jun 1967 156.2 C49
Ddt, Dieldrin, Endrin, Metabolites, Oysters, Pesticides, Shellfish, Water pollution.

16114-68
THE EXAMINATION OF SURFACE WATERS AND SEWAGE EFFLUENTS FOR ORGANO-CHLORINE PESTICIDES. SB951. A6.
A V Holden K Marsden
7 P.
1966
Fish, Insecticide residues, Organophosphorus compounds, Pesticide analysis, Sewage, Waste disposal, Water, Wildlife.

16115-68
ACCUMULATION OF CHLORINATED HYDROCARBON PESTICIDES BY MICROORGANISMS IN SOIL. (ABSTRACT).
W H Ko
Phytopathology 57(8):817
Aug 1967 464.8 P56
Chlorinated hydrocarbons, Ddt, Dieldrin, Pentachloronitrobenzene, Pesticides, Soil microorganisms.

16116-68
TOMORROW:S WEAPONS, CHEMICAL AND BIOLOGICAL. UG447.B6.
J H Rothschild
271 P. NEW YORK, MCGRAW-HILL BOOK COMPANY
1964
Air pollution, Biological warfare, Chemical warfare.

16117-68
MICROBIAL DECOMPOSITION OF DIQUAT ADSORBED ON MONTMORILLONITE AND KAOLINITE CLAYS.
J B Weber H D Coble
J Agr Food Chem 16(3):475-478
May 1968 381 J8223
Carbon isotopes, Clay minerals, Decomposition, Diquat, Kaolinite, Microorganisms, Montmorillonite, Radioactive isotopes.

55 RESIDUES

16118-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DRUGS. GENTAMICIN. MISCELLANEOUS AMENDMENTS.
Fed Regist 32(244):18096
19 Dec 1967 L1.451
Cheese, Gentamicin sultate, Insecticide residues, Mozzarella cheese, Phorate, Tolerances.

16119-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(119):8825
21 Jun 1967 L1.451
Di-allate, Field crops, Herbicide residues, Vegetables.

16120-68
IN VIVO EFFECTS OF CARBAMATE INSECTICIDES ON MAMMALIAN ESTERASE ENZYMES (ABSTRACTED FROM TOXICOL. AND PHARMACOL. 9(1):6-16, 1966).
R L Baron J L Casterline R Drzel
Pesticide Progr 5(5):158
Sep 1967 79.8 P434
Carbamates, Enzymes, Esterases, Insecticide residues.

16121-68
DEVELOPMENT OF DOUBLE ISOTOPE DERIVATIVE ASSAYS FOR MEASUREMENT OF PESTICIDE RESIDUES. IN:RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL VIENNA, 12-16 APRIL 1965. SB953. P32.
R L Bogner
67-77 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Assay, Ddt, Demeton, Diazinon, Dieldrin, Pesticide analysis.

16122-68
ABSORPTION, TRANSLOCATION, AND PERSISTENCE OF RADIO-LABELED DIMETHYL SULFOXIDE APPLIED AS A FOLIAR SPRAY TO PEACH TREES. (ABSTRACT).
H L Keil B C Smale R A Wilson
Phytopathology 57(7):646
Jul 1967 464.8 P56
Dimethyl sulfoxide, Oxytetracycline, Peaches, Pesticide residues, Plant translocation, Radioactive tracers, Spraying, Sulfur isotopes.

16123-68
METABOLISM OF TRIAZINE AND 2,4-D HERBICIDES, AND PROBLEMS WITH THEIR RESIDUES IN SOILS AND PLANTS. IN:RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL, VIENNA, 12-16 APRIL 1965 SB953.P32.
R Kljajic
33-37 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
D, 2,4-, Herbicide residues, Metabolism, Pesticide analysis, Soil contamination, Triazines.

16124-68
ISOLATION AND IDENTIFICATION OF METABOLITES OF SOME CHLORINATED INSECTICIDES AND THEIR DETECTION BY ANALYTICAL METHODS. IN: RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL, VIENNA, 12-16 APRIL 1965. SB953.P32.
G Ludwig
49-58 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Chlordane, Chlorinated hydrocarbons, Dieldrin, Urine.

16125-68
USE OF RADIOISOTOPES IN THE DETECTION OF RESIDUES IN MEAT AND MILK. IN:RADIOISOTOPES IN THE DETECTION OF PESTICIDE RESIDUES; PROCEEDINGS OF A PANEL, VIENNA, 12-16, APRIL 1965. SB953. P32.
W C McDuffie
3-17, REF. INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Meat, Milk, Pesticide residues, Radioisotopes.

16126-68
RUBIDIUM-87 CONCENTRATION IN MARKET MILK.
G K Murthy
J Dairy Sci 50(6):818-819 REF
Jun 1967 44.8 J822
Food contamination, Milk, Radioactive contamination, Rubidium isotopes.
Abstract

16127-68
LABORATORY METHOD FOR DETERMINING THE RATE OF VOLATILIZATION OF INSECTICIDES FROM PLANTS.
R I Starr R E Johnsen
J Agr Food Chem 16(3):411-414
May 1968 381 J8223
Dieldrin, Extraction, Insecticide residues, Lindane, Tetradifon.

16128-68
ECONOMIC POISONS CONTAINING CERTAIN PESTICIDE CHEMICALS FOR CERTAIN USES. CANCELLATION OF REGISTRATION.
Fed Regist 33(93):7091-7094
11 May 1968 L1.451
Agricultural products, Pesticide residues, Tolerances.

16129-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. ATRAZINE.
Fed Regist 32(169):12605
31 Aug 1967 L1.451
Atrazine, Corn, Herbicide residues, Sorghum, Tolerances.

16130-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
O,O-DIMETHYL O-P-(DIMETHYLSULFAMOYL)PHENYL PHOSPHORDTHIOATE.
Fed Regist 33(31):2935
14 Feb 1968 L1.451
Dimethyl O-p(dimethylsulfamoyl)phenyl phosphate, Famphur, Fats, Insecticide residues, Meat, Tolerances.

16131-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. ETHYL 4,4:-DICHLOROBENZILATE.
Fed Regist 33(94):7111-7112
14 May 1968 L1.451
Chlorobenzilate, Cottonseed, Fats, Insecticide residues, Meat, Tolerances, Walnuts.

16132-68
ETHYL 4,4'-DICHLOROBENZILATE. PROPOSED REDUCTION OF TOLERANCE REGARDING ALMONDS.
Fed Regist 33(94):7120
14 May 1968 L1.451
Almonds, Chlorobenzilate, Insecticide residues, Tolerances, Walnuts.

16133-68
NOTICE OF WITHDRAWAL OF PETITION FOR PERMANENT TOLERANCE AND ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 33(97):7333
17 May 1968 L1.451
Food contamination, Herbicide residues, Norea, Tolerances.

16134-68
2,6-DICHLORO-4-NITROANILINE. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE.
Fed Regist 33(97):7333
17 May 1968 L1.451
Dichloro-4-nitroaniline, 2,6-, Fungicides, Nectarines, Pesticide residues, Tolerances.

16135-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(99):7502
21 May 1968 L1.451
Carrots, Celery, Dichlorophenyl p-nitrophenyl ether, 2,4-, Herbicide residues, Parsley, Sugar beets, Tolerances.

16136-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
S-(O,O-DIISOPROPYL PHOSPHORODITHIOATE) OF N-(2-MERCAPTO ETHYL) BENZENESULFONAMIDE.
Fed Regist 33(47):4326-4327
08 Mar 1968 L1.451
Bensulide, Herbicide residues, Tolerances.

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16137-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. S-ETHYL DIISOBUTYLTHIOCARBAMATE.
Fed Regist 33(29):2844-2845
10 Feb 1968 L1.451
Corn, Ethyl diisobutylthiocarbamate, S-, Herbicide residues, Tolerances.

16138-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. AMMONIUM NITRATE; EXEMPTION FROM REQUIREMENT OF TOLERANCE.
Fed Regist 33(29):2845
10 Feb 1968 L1.451
Ammonium nitrate, Defoliants, Pesticide residues, Tolerances.

16139-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. S-PROPYL BUTYLETHYLTHIOCARBAMATE.
Fed Regist 33(44):4138
05 Mar 1968 L1.451
Herbicide residues, Pebulate, Sugar beets, Tolerances, Tomatoes.

16140-68
MILK, EGGS, MEAT, AND/OR POULTRY. PESTICIDE TOLERANCES; POLICY STATEMENT.
Fed Regist 33(40):3438
28 Feb 1968 L1.451
Eggs, Meat, Milk, Pesticide residues, Poultry, Tolerances.

16141-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11448
08 Aug 1967 L1.451
Herbicide residues, Norea, Tolerances.

16142-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11448
08 Aug 1967 L1.451
Disulfoton, Insecticide residues, Soybeans, Tolerances.

16143-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTDRAL COMMODITIES. PARAQUAT.
Fed Regist 32(167):12473
29 Aug 1967 L1.451
Cottonseed, Defoliants, Paraguat, Pesticide residues, Potatoes, Tolerances.

16144-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. 2,4-DICHLOROPHENYL P-NITROPHENYL ETHER.
Fed Regist 32(171):12715
02 Sep 1967 L1.451
Dichlorophenyl p-nitrophenyl ether, 2,4-, Herbicide residues, Tolerances.

16145-68
2,6-DICHLORO-4-NITROANILINE. NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 32(129):9853
06 Jul 1967 L1.451
Dichloro-4-nitroaniline, 2,6-, Fungicide residues, Nectarines, Tolerances.

16146-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(106):7983
02 Jun 1967 L1.451
Fungicide residues, Tetrachloroisophtbalonitrile, Tolerances.

16147-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):306
09 Jan 1968 L1.451
Corn, Insecticide residues,
MetbyI N-((metbylcarbamoyl)oxy) tbioacetimidate, S-,
Tolerances.

16148-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(11):598
17 Jan 1968 L1.451
Herbicide residues, Sunflower seeds, Tolerances, Trifluralin.

16149-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(20):1214
30 Jan 1968 L1.451
Dipropyl pyridine-2,5-dicarboxylate, Insecticide residues, Meat, Milk, Tolerances.

16150-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(174):12868
08 Sep 1967 L1.451
Almonds, Fats, Insecticide residues, Meat, Tolerances.

16151-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(185):13423
23 Sep 1967 L1.451
Cottonseed, Dimetbyl tetracbloroterepbtbalate, Herbicide residues, Tolerances.

16152-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(199):14246
13 Oct 1967 L1.451
Chloroallyl dietbyldithiocarbamate, 2-, Herbicide residues, Tolerances.

16153-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(235):17496
06 Dec 1967 L1.451
Barley, Dibromo-4-hydroxybenzonitrile, 3,5-, Flax, Herbicide residues, Oats, Rye, Tolerances, Wheat.

16154-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):306
09 Jan 1968 L1.451
Avocados, Cottonseed,
Dimetbylamino)benzenediazo sodium sulfonate, p-(,
Fungicide residues, Pineapples, Sugar beets, Tolerances.

16155-68
PESTICIDE TOLERANCE. PROPOSED ESTABLISHMENT.
Fed Regist 33(75):5884
17 Apr 1968 L1.451
Metboxycarbonyl-1-propen-2-yl dimethylphosphate, 1-, Parsley, Pesticide residues, Tolerances.

16156-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. TRIPHENYLTIN HYDROXIDE.
Fed Regist 33(78):6089
20 Apr 1968 L1.451
Fungicide residues, Potatoes, Tolerances, Tripbenyltin hydroxide.

16157-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
Fed Regist 32(172):12751
06 Sep 1967 L1.451
Cblortetracycline, Food preservatives, Oxytetracycline, Tolerances.

16158-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(174):12868
08 Sep 1967 L1.451
Apples,
8utyIpbenoxy)cyclobexyl 2-propynyl sulfite, 2-(p-tert-,
Insecticide residues, Tolerances.

16159-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICDLTURAL COMMODITIES. DIPHENAMID.
Fed Regist 33(7):410-411
11 Jan 1968 L1.451
Dipbenamid, Herbicide residues, Metabolites, Strawberries, Tolerances.

16160-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICDLTURAL COMMODITIES. DIMETHYL 2,3,5,6-TETRACHLOROTEREPHTHALATE.
Fed Regist 33(71):5618
11 Apr 1968 L1.451
Cottonseed, Dimethyl 2,3,5,6-tetracbloroterepbtbalate, Herbicide residues, Metabolites,

Monomethyl 2,3,5,6-tetrachloroterephthalate,
Tetrachloroterephthalic acid, 2,3,5,6-, Tolerances.

16161-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DICAMBA.
Fed Regist 32(201):
17 Oct 1967 L1.451
Dicamba, Herbicide residues, Metaholites, Sorghum, Tolerances.

16162-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. ALDRIN AND DIELDRIN.
Fed Regist 32(177):12999-13DDD
13 Sep 1967 L1.451
Aldrin, Dieldrin, Fruit, Grain, Insecticide residues, Straw, Tolerances.

16163-68
CALCIUM OXYTETRACYCLINE. NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 33(12):651
18 Jan 1968 L1.451
Bactericides, Calcium oxytetracycline, Peaches,
Pesticide residues, Tolerances.

16164-68
BENZAMIDOOXYACETIC ACID. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE.
Fed Regist 33(75):5896
17 Apr 1968 L1.451
Benzamidooxyacetic acid, Herbicide residues, Sugar beets,
Tolerances.

16165-68
FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. ALUMINUM PHOSPHIDE.
Fed Regist 32(176):12943-12944
12 Sep 1967 L1.451
Aluminum phosphide, Food additives, Fumigants, Grain,
Pesticide residues, Tolerances.

16166-68
MIXTURE OF 3,4,5-TRIMETHYLPHENYL METHYLCARBAMATE AND 2,3,5-TRIMETHYLPHENYL METHYLCARBAMATE. NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 32(204):14609
20 Oct 1967 L1.451
Carbamates, Feed, Forage plants, Grain, Insecticide residues,
Tolerances, Trimethylphenyl methylcarbamate, 2,3,5-,
Trimethylphenyl methylcarbamate, 3,4,5-.

16167-68
NACA INDUSTRY TASK FORCE ON PHENOXY HERBICIDE TOLERANCES. NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(86):6753
02 May 1968 L1.451
Herbicide residues, Methyl-4-chlorophenoxyacetic acid, 2-,
Phenoxyacetic acid, Tolerances.

16168-68
ALPHA-NAPHTHALENEACETIC ACID. PROPOSED ESTABLISHMENT OF PESTICIDE TOLERANCE.
Fed Regist 33(89):6881
07 May 1968 L1.451
Apples, Naphthaleneacetic acid, alpha-, Pears,
Pesticide residues, Pineapples, Plant regulators, Quinces,
Tolerances.

16169-68
NACA INDUSTRY TASK FORCE ON PHENOXY HERBICIDE TOLERANCES. NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(11):599
17 Jan 1968 L1.451
Herbicide residues, Methyl-4-chlorophenoxyacetic acid, 2-,
Phenoxyacetic acid, Tolerances.

16170-68
NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCES FOR PESTICIDE CHEMICAL.
Fed Regist 33(2):84
04 Jan 1968 L1.451
Apples,
Butylphenoxy)cyclohexyl 2-propynyl sulfite, 2-(p-tert-,
Insecticide residues, Oranges, Tolerances.

16171-68
NACA INDDSTRY TASK FORCE ON PHENOXY HERBICIDE TOLERANCES. NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(11):599
17 Jan 1968 L1.451
Herbicide residues, Phenoxyacetic acids, Tolerances,
Trichloro-phenoxyacetic acid, 2,4,5-.

16172-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
3-(P-(P-CHLOROPHENOXY)PHENYL)-1,1-DIMETHYLDREA.
Fed Regist 33(82):6343
26 Apr 1968 L1.451
Chlorophenoxy)phenyl)-1,1-dimethylurea, 3-(p-(p-,
Herbicide residues, Soybeans, Strawberries, Tolerances.

16173-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. PHORATE; TOLERANCES FOR RESIDUES.
Fed Regist 32(196):14D22
10 Oct 1967 L1.451
Insecticide residues, Phorate, Tolerances.

16174-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICDLTURAL COMMODITIES. PESTICIDE TOLERANCES REGARDING MILK, EGGS, MEAT, AND/OR POULTRY; STATEMENT OF POLICY.
Fed Regist 33(85):6653
01 May 1968 L1.451
Eggs, Meat, Milk, Pesticide residues, Poultry, Tolerances.

16175-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTDRAL COMMODITIES. PARAQDAT.
Fed Regist 33(9):492
13 Jan 1968 L1.451
Herbicide residues, Paraguat, Tolerances.

16176-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTDRAL COMMODITIES. PARAQDAT.
Fed Regist 33(5):261
09 Jan 1968 L1.451
Herbicide residues, Paraguat, Tolerances.

16177-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICDLTDRAL COMMODITIES.
1,1-DIMETHYL-3-(ALPHA, ALPHA, ALPRA-TRIFLDORO-M-TOLYL)UREA.
Fed Regist 32(218):15578-15579
09 Nov 1967 L1.451
Cottonseed,
Dimethyl-3-(alpha,alpha,alpha-trifluoro-m-tolyl)urea, 1,1-,
Herbicide residues, Tolerances.

16178-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICDLTURAL COMMODITIES. ETHYL 4,4:-DICHLOROBENZILATE.
Fed Regist 33(5):260-261
09 Jan 1968 L1.451
Almonds, Chlorohenzilate, Fruit, Insecticide residues, Meat,
Tolerances.

16179-68
2-(P-TERT-BUTYLPHENOXY) CYCLOHEXYL 2-PROPYNYL SULFITE. NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCES FOR PESTICIDE CHEMICAL.
Fed Regist 33(2):84
04 Jan 1968 L1.451
Apples,
Butylphenoxy) cyclohexyl 2-propynyl sulfite, 2-(p-tert-,
Insecticide residues, Oranges, Tolerances.

16180-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DODINE.
Fed Regist 33(78):6088-6089
20 Apr 1968 L1.451
Dodine, Fungicide residues, Peanuts, Pecans, Tolerances,
Walnuts.

16181-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DODINE.
Fed Regist 32(171):12715
02 Sep 1967 L1.451

55 16182-68

Dodine, Fruit, Fungicide residues, Tolerances.

16182-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DIURON.
Fed Regist 33(85):6653-6654
01 May 1968 L1.451
Diuron, Hay, Herbicide residues, Nuts, Tolerances.

16183-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DIURON.
Fed Regist 33(5):260
09 Jan 1968 L1.451
Agricultural products, Cynodon dactylon, Diuron, Herbicide residues, Tolerances.

16184-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DIQUAT. TOLERANCES FOR RESIDUES.
Fed Regist 32(196):14023
10 Oct 1967 L1.451
Diquat, Plant regulators, Sugarcane, Tolerances.

16185-68
TOXIC RESIDUES IN MARINE FOODS.
U S Fish Wildlife Serv 260:14
Jun 1967 156.2 C49
Ddt, Feeding, Fish, Insecticide residues.

60 TOXICOLOGY

16186-68
EFFECTS OF DIMETHOATE ON SMALL MAMMAL POPULATIONS.
G W Barrett R M Darnell
Amer Midland Natur 77(1):164-175 REF
Jan 1967 410 M58
Dimethoate, Ecology, Insect populations, Insecticide residues, Mammals, Population, Rodents, Wildlife.

16187-68
KINETICS OF DDT IN A MARINE FOOD CHAIN.
U S Fish Wildlife Serv 260:14
Jun 1967 156.2 C49
Aquatic animals, Aquatic plants, Ddt, Insecticide residues.

16188-68
INHIBITION OF ELECTRON TRANSPORT ENZYMES AND CHOLINESTERASES BY ENDRIN.
H J Colvin A T Phillips
Bull Environ Contamination Toxicol 3(2):106-115
Mar 1968 RA1270.P35A1
Cholinesterases, Endrin, Enzymes, Ictalurus melas, Toxicology.

16189-68
GROWTH AND AFLATOXIN PRODUCTION BY ASPERGILLUS PARASITICUS FROM VARIOUS CARBON SOURCES.
N D Davis U L Diener
Appl Microbiol 16(1):158-159
Jan 1968 448.3 AP5
Aflatoxin, Aspergillus parasiticus, Carbon.
Abstract

16190-68
METHIONINE AS A PRECURSOR OF METHYL SULFIDE IN COWS' MILK.
J R Dunham G Ward R Bassette M C Reddy
J Dairy Sci 51(2):199-201 REF
Feb 1968 44.8 J822
Alfalfa, Cattle, Culture media, Immunization, Methionine, Methyl sulfide, Milk, Rumen, Sulfur.

16191-68
TOXICITY OF DIFFERENT DIETS CONTAMINATED WITH VARIOUS FUNGI TO RICE MOTH LARVAE (CORCYRA CEPHALONICA ST.).
U C Hegde T Chandra E R B Shanmugasundaram
Can J Comp Med Vet Sci 31(6):160-163 REF
Jun 1967 41.8 C162
Aflatoxin, Corcyra cephalonica, Diet, Feed toxicity, Fungi.
Abstract

16192-68
FOOD CHAIN STUDIES.
R F Johnson
260:9-11
Jun 1967 156.2 C49
Aquatic bacteria, Ddt, Fish, Food, Malathion, Marine biology, Oysters, Pseudomonas piscicida.

16193-68
THE METABOLISM OF CARBARYL IN MAN, MONKEY, PIG, AND SHEEP.
J B Knaak M J Tallant S J Kozbelt L J Sullivan
J Agr Food Chem 16(3):465-470
May 1968 381 J8223
Baby pigs, Carbaryl, Carbon isotopes, Humans, Metabolites, Monkeys, Radioactive isotopes, Sheep, Urine.

16194-68
CYANIDE AS A POISON IN OPOSSUM CONTROL.
I G McIntosh
New Zeal J Agr 116(4):44-45
Apr 1968 23 N48J
Crop losses, Cyanides, Opossums, Plant injuries, Poisoning, Rabbits, Toxicology.

16195-68
PESTICIDES CONTAINING SODIUM ARSENITE AND ARSENIC TRIOXIDE COMPOUNDS INTENDED FOR USE BY HOMEOWNER. NOTICE OF PROPOSED INTERPRETATION UNDER FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT.
Fed Regist 32(228):16164
25 Nov 1967 L1.451

Accident prevention, Arsenic trioxide, Labeling, Pesticides, Sodium arsenite.

16196-68
FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. SULFAETHOXYPYRIDAZINE.
Fed Regist 33(12):627-629
18 Jan 1968 L1.451
Cattle, Feed additives, Sulfaethoxypyridazine, Swine, Tolerances.

16197-68
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. COUMAPHOS.
Fed Regist 32(217):15545
08 Nov 1967 L1.451
Cattle, Coumaphos, Diptera, Feed additives, Tolerances.

16198-68
FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. CHLORTETRACYCLINE.
Fed Regist 32(198):14155
12 Oct 1967 L1.451
Chickens, Chlortetracycline, Escherichia coli, Feed additives.

16199-68
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. NITRODAN; REVOCATION.
Fed Regist 33(5):261
09 Jan 1968 L1.451
Anthelmintics, Dogs, Feed additives, Nitrodan.

16200-68
PRELIMINARY OBSERVATIONS ON THE TOXICITY OF ANTIMYCIN A TO FISH AND OTHER AQUATIC ANIMALS.
C H Walker R E Lennon B L Berger
U S Fish Wildlife Serv 186,18 P. REF
Jun 1964 156.2 C49
Antimycin a, Aquatic animals, Fish, Toxicity.

65 PLANT PHYSIOLOGY AND BIOCHEMISTRY

16201-68
INFLUENCE OF VARIOUS SOIL INCORPORATED FUNGICIDES AND NEMATOCIDES ON MACRO AND MICRO ELEMENT CONSTITUENTS OF ZEA MAYS AND PHASEOLUS VULGARIS.
H Cole D MacKenzie C R Smith E L Bergman
Bull Environ Contamination Toxicol 3(2):116-126
Mar 1968 RA1270.P35A1
Beans, Corn, Fungicides, Macronutrients, Micronutrients, Nematocides, Plant physiology, Soils.

16202-68
EFFECTS OF ADDED SURFACTANT ON TOXICITY OF PICLORAM, 2,4-D AND 2,4,5-T TO POPULUS TREMULOIDES MICHX. AND P. BALSAMIFERA L. SAPLINGS.
W G Corns T S Dai
Can J Plant Sci 47(6):711-712
Nov 1967 450 C16
Atlox 210, D, 2,4-, Herbicides, Picloram, Populus balsamifera, Populus tremuloides, Surface-active agents, T, 2,4,5-, Toxicity, Trees, Weed control.

16203-68
TRE ISOLATION AND PARTIAL CHARACTERIZATION OF MONILICOLIN A, A POLYPEPTIDE WITH PHASEOLLIN-INDUCING ACTIVITY FROM MONILINIA FRUCTICOLA.
I A M Cruickshank D R Perrin
Life Sci 7(10):449-458 REF
15 May 1968 442.8 L62
Complement, Culture media, Fungi, Monilinia fructicola, Peptides, Plant biochemistry.
Abstract

16204-68
USE OF HERBICIDES. (SUMMARY DIGEST OF MIDWEST RESEARCH INSTITUTE REPORT, "ASSESSMENT OF ECOLOGICAL EFFECTS OF EXTENSIVE OR REPEATED USE OF HERBICIDES").
W R House L H Goodson H M Gadberry K W Doktor
Nat Agr Chem Ass News Pesticide Rev 26(4):6-7
Apr 1968 421 AG8
Ecology, Herbicides, Toxicity, Vietnam.

16205-68
PHYSICAL AND PHYSIOLOGICAL METRODS FOR DIFFERENTIATING AMONG AGROBACTERIUM RHIZOGENES, A. TUMEFACIENS, AND A. RADIOBACTER.
D Huisingh R D Durbin
Phytopathology 57(8):922-923 REF
Aug 1967 464.8 P56
Agrobacterium radiobacter, Agrobacterinm rhizogenes, Agrobacterium tumefaciens, Bacteria, Carbohydrates, Electrophoresis, Fermentation, Plant physiology, Proteins, Tomatoes.

16206-68
FRUCTOSE DIPHOSPHATE ALDOLASE FROM FUSARIUM OXYSPORUM F LYCOPERSICI. III. STUDIES ON THE MECHANISM OF REACTION.
J M Ingram
Can J Biochem 45(12):1909-1917 REF
Dec 1967 470 C16E
Aldolase, Enzymes, Fructosediphosphate aldolase, Fungus diseases (plants), Fusarium oxysporum, Metabolism, Plant biochemistry.
Abstract

16207-68
GIBBERELLIN AND THE GROWTH OF PEACH AND APRICOT FRUITS.
D I Jackson
Australian J Biol Sci 21(2):209-215 REF
Apr 1968 442.8 AU72
Apricots, Cell division, Gibberellic acid, Metabolites, Peaches, Plant regulators.
Abstract: Levels of gibberellin in purified extracts from developing peach fruits were compared with rates of cell division and cell ecpansion in the fruit tissues. Gibberellin concentration was closely correlated with the rate of cell expansion in each tissue, bnt not with cell division.

16208-68
DIFFERENTIAL ABSORPTION AS A FACTOR IN FLUENCING THE SELECTIVE TOXICITY OF MCPA AND MCPB. IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSIUM, VIENNA, 25-29 October 1965. S589.S9.
R C Kirkwood M M Robertson J E Smith
47-57 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Absorption, Chloro-2-methylphenoxyacetic acid, 4-, Plant translocation, Radioactive tracers, Toxicity.
Abstract

162D9-68
INHIBITION OF BACTERIAL RESPIRATION BY PIERICIDIN A AND ROTENONE. (ABSTRACT).
C J Knowles R M Daniel S K Erickson E R Redfearn
Biochem J 1D6(4):49P
Feb 1968 382 B52
Bacteria, Piericidin A, Plant respiration, Rotenone.

16210-68
SOIL FUNGISTASIS: RELATION TO FUNGAL SPORE NUTRITION.
W H Ko J L Lockwood
Phytopathology 57(8):894-901 REF
Aug 1967 464.8 P56
Fungicides, Fungus diseases (plants), Plant nutrition, Soil fungi, Spore germination.
Abstract: Soil fungistasis apparently is a consequence of the unavailability in soil, or loss from spores, of nutrients required for spore germination.

16211-68
GERMINATION OF UROCYSTIS COLCHICI TELIOSPORES ON AGAR MEDIA. (ABSTRACT).
M L Lacy
Phytopathology 57(8):818
Aug 1967 464.8 P56
Agar, Culture media, Spore germination, Urocystis colchici.

16212-68
THE PRODUCTION OF INDOLELACTIC ACID FROM L-TRYPTOPHAN BY SPECIES OF PHYTOPHTHORA. (ABSTRACT).
M E Gallegly J A Leal V G Lilly
Phytopathology 57(8):818
Aug 1967 464.8 P56
Fungus diseases (plants), Indolelactic acid, Phytophthora, Plant biochemistry, Tryptophan.

16213-68
USE OF TISSUE CULTURES TO ASSAY BOTRAN TOXICITY IN BIGHER PLANTS. (ABSTRACT).
J Lewis D J Weber S Venketeswaran
Phytopathology 57(8):819
Aug 1967 464.8 P56
Dichloro-4-nitroaniline, 2,6-, Fungus diseases (plants), Nicotiana glutinosa, Plant biochemistry, Rhizopus arrhizus, Tissue culture, Tobacco.

16214-68
PROCESS FOR CONTACTING PLANTS WITH GROWTH EFFECTING CHEMICAL PATENT 3,393,992.
E A Mailey
Us Patent Office Offic Gaz 852(4):939
23 Jul 1968 156.65 OP2
Dichloro-5-isothiazolecarboxylic acid, 3,4-, Patents, Plant regulators.

16215-68
EFFECTS OF OZONE INJURY TO PONDEROSA PINE. (ABSTRACT).
P R Miller J R Parmeter
Phytopathology 57(8):822
Aug 1967 464.8 P56
Ozone, Pinus ponderosa, Seedlings, Tree injuries.

16216-68
GERMINATION OF POLYPOROUS DRYOPHILUS VAR. VULPINUS BASIDIOSPORES. (ABSTRACT).
H L Morton D W French
Phytopathology 57(8):823
Aug 1967 464.8 P56
Agar, Carbon dioxide, Ceratocystis fagacearum, Culture media, Fungus diseases (plants), Nitrogen, Plant physiology, Polyporus dryophilus vulpinus, Spore germination.

16217-68
THE RELATIONSHIP OF MATING CAPACITIES AND STEROL SYNTHESIS AMONG ISOLATES OF COCHLIOBOLUS CARBONUM. (ABSTRACT).
R R Nelson D Huisingh R K Webster
Phytopathology 57(8):824
Aug 1967 464.8 P56
Cochlioholus carhonum, Plant hiochemistry, Plant genetics, Plant reproduction, Reproduction, Sterols.

16218-68
POISONOUS PLANTS AND FUNGI IN COLOR. QK100.G7N6.
P M North
161 P. LONDON, BLANFORD PRESS
1967
Drug plants, Fungi, Poisonous plants, Toxicology.

16219-68
EFFECT OF SULFUR-CONTAINING AMINO COMPOUNDS AND RELATED SUBSTANCES ON APHANOMYCES ROOT ROT OF PEAS.
G C Papavizas C B Davey
Phytopathology 53(1):109-115, BIBL., TABS., PL.
Jan 1963 464.8 P56
Aphanomyces euteiches, Root rot (peas), Sulfur compounds.

16220-68
EFFECT OF AMINO COMPOUNDS AND RELATED SUBSTANCES LACKING SULFUR ON APHANOMYCES ROOT ROT OF PEAS.
G C Papavizas C B Davey
Phytopathology 53(1):116-122, BIBL. 121-122, TABS., PL.
Jan 1963 464.8 P56
Amino acids, Amino compounds, Aphanomyces euteiches, Root rot (peas).

16221-68
THE FAVORABLE EFFECT OF LOW SOIL TEMPERATURE ON THE GERMINATION AND SURVIVAL OF MACROCONIDIA OF FUSARIUM ROSEUM "SAMBUCINUM." (ABSTRACT).
T Pass G J Griffin
Phytopathology 57(8):825
Aug 1967 464.8 P56
Cold, Fungus diseases (plants), Fusarium roseum, Soil temperature, Spore germination.

16222-68
ABSORPTION, TRANSLOCATION AND METABOLISM OF 14C LABELLED DICHLOBENIL. IN: ISOTOPES IN WEED RESEARCH; PROCEEDINGS OF A SYMPOSIUM, VIENNA, 25-29 OCTOBER 1965. S589.S9.
D A Pate H H Funderburk
17-26 REF INTERNATIONAL ATOMIC ENERGY AGENCY
1966
Absorption, Alternanthera philoxeroides, Carbon isotopes, Dichlobenil, Herbicide residues, Kidney beans, Plant metaholism, Plant translocation, Radioactive tracers.
Abstract

16223-68
INDUCTION AND REPRESSION OF POLYGALACTURONASE SYNTHESIS IN VERTICILLIUM ALBO-ATRUM. (ABSTRACT).
S S Patil A E Dimond
Phytopathology 57(8):825
Aug 1967 464.8 P56
Biochemistry, Culture media, Enzymes, Fungus diseases (plants), Pectinase, Potatoes, Verticillium albo-atrum, Wilt (potatoes).

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EFFECT OF SUGARS AND SUGAR ALCOHOLS ON PRODUCTION OF POLYGALACTURONASE BY FUSARIUM OXYSPORUM F. SP. LYCOPERSICI. (ABSTRACT).
S S Patil A E Dimond
Phytopathology 57(8):825
Aug 1967 464.8 P56
Alcohols, Enzymes, Fungus diseases (plants), Fusarium oxysporum lycopersici, Pectinase, Sugars, Tomatoes.

16225-68
MATING BETWEEN STRAINS OF USTILAGO MAYDIS ON AGAR MEDIA. (ABSTRACT).
J E Puhalla
Phytopathology 57(8):826
Aug 1967 464.8 P56
Agar, Corn, Culture media, Fungus diseases (plants), Plant physiology, Ustilago maydis.

16226-68
SOME OBSERVATIONS ON RIBONUCLEIC ACIDS AND THEIR SYNTHESIS IN GERMINATING BEAN RUST UREDOSPORES. (ABSTRACT).
L Ramakrishnan R C Staples
Phytopathology 57(8):826-827
Aug 1967 464.8 P56
Beans, Fungus diseases (plants), Ribonucleic acid, Rust (beans), Spore germination, Uromyces phaseoli.

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PHYSIOLOGICAL ASPECTS OF FLUOMETURON IN COTTON AND CUCUMBER.
R L Rogers H H Funderburk
J Agr Food Chem 16(3):434-440
May 1968 381 J8223
Cotton, Cucumbers,
Dimethyl-3-(alpha,alpha,alpha-trifluoro-m-tolyl)urea, 1,1-,
Metabolites, Photosynthesis, Plant respiration.

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AN AUTOXIDIZABLE CYTOCHROME OF PSEUDOMONAS SYRINGAE. (ABSTRACT).
D C Sands F H Gleason
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Cytochromes, Plant biochemistry, Pseudomonas syringae.

16229-68
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M R Siegel H D Sisler
Phytopathology 57(8):831
Aug 1967 464.8 P56
Carbon isotopes, Cells, Folpet, Fungicides,
Plant biochemistry, Plant metabolism, Radioactive tracers,
Saccharomyces pastorianus, Sulfur isotopes.

16230-68
VITAMIN REQUIREMENTS OF BELMINTHOSPORIUM ATROVIRENS. (ABSTRACT).
A Singh A P Bensen
Phytopathology 57(8):831
Aug 1967 464.8 P56
Biotin, Culture media, Fungi, Spondylocladium atrovirens,
Thiamine, Vitamins.

16231-68
SENSITIVITY OF FUNGUS SPORES TO SOIL FUNGISTASIS. (ABSTRACT).
G W Steiner J L Lockwood
Phytopathology 57(8):833
Aug 1967 464.8 P56
Aspergillus terreus, Cladosporium cucumerinum, Fungicides,
Fungus diseases (plants), Helminthosporium victoriae,
Soil fungi, Soil sterilization, Spore germination.

16232-68
DISC ELECTROPHORESIS OF MYCELIAL PROTEINS FROM CERATOCYSTIS SPECIES. (ABSTRACT).
R J Stipes
Phytopathology 57(8):833
Aug 1967 464.8 P56
Ceratocystis, Culture media, Electrophoresis,
Fungus diseases (plants), Plant taxonomy, Proteins.
Potentially useful in taxonomy; possibly useful in differentiating morphologic op pathogenic strains

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A COMPARISON OF THE EFFECTS OF OZONE AND SULPHYDRYL REAGENTS ON PLANTS. (ABSTRACT).
H Tomlinson S Rich
Phytopathology 57(8):834
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Beans, Mercapto compounds, Ozone, Plant injuries, Spinach,
Tobacco.

16234-68
NATURALLY OCCURRING INSECT CONTROL CHEMICALS. ISOCOLDINE, A FEEDING INHIBITOR, AND COCCULOLIDINE, AN INSECTICIDE IN THE LEAVES OF COCCULUS TRILOBUS DC.
K Wada K Munakata
J Agr Food Chem 16(3):471-474
May 1968 381 J8223
Alkaloids, Cocculolidine, Cocculus trilobus, Insecticides,
Isoholdine, Oraesia excavata, Prodenia litura,
Trimeresia miranda.

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G S Walton
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Aug 1967 464.8 P56
Acer platanoides, Calcium chloride, Plant biochemistry,
Plant injuries, Sodium chloride.

16236-68
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S S Wang N A Anderson
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Plant reproduction, Pleurotus ostreatus, Populus tremuloides.

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OCCURRENCE AND BEHAVIOR OF VARIANTS OF RHIZOPUS STOLONIFER TOLERANT TO 2,6-DICHLORO-4-NITROANILINE. (ABSTRACT).
B K Webster J M Ogawa C J Moore
Phytopathology 57(8):835
Aug 1967 464.8 P56
Culture media, Dichloro-4-nitroaniline, 2,6-,
Fungus diseases (plants), Rhizopus stolonifer, Soil fungi.

16238-68
VIRULENCE OF RHIZOCTONIA SOLANI AS INFLUENCED BY NUTRITIONAL STATUS OF INOCULUM. (ABSTRACT).
A R Weinhold B Tully
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Asparagine, Culture media, Fungus diseases (plants), Glucose,
Nutrient solutions (plants), Rhizoctonia solani.

16239-68
AN ANATOMICAL INVESTIGATION INTO THE EFFECTS OF GIBBERELLIC ACID ON THE EXPANSION OF CALLITRICHE SPROTS.
C H Wong A J McComb
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Dec 1967 442.8 AU72
Callitriche, Cell division, Cytology, Gibberellic acid,
Plant physiology, Plant regulators.

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SORPTION OF PHOSPHINE BY CEREAL PRODUCTS.
8 Berck
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May 1968 381 J8223
Flax, Grain, Phosphine, Sorption.

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Carbamates, Chromatography, Fungicides, Humidity, Maneb, Pesticides, Temperature, Thiocarbamates, Zineb.
Five pesticides containing maneb and zineb.

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K Dulak J Kovac P Rapos
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Chromatography, Herbicides, Pyrazon.

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R J Geary
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23 Jul 1968 156.65 OF2
Carboxylic acids, Chemical reactions, Methodology, Organic compounds, Patents, Pesticides.

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J Gordon R Pankratz
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May 1968 381 J8223
Chromatography, Extraction, Fluorometry, Gibberellic acid, Plant regulators.

16246-68
A STUDY OF THE INSECTICIDAL CONSTITUENTS OF CHRYSANTHEMUM CINERARIAEFOLIUM. 3. THEIR COMPOSITION IN DIFFERENT PYRETHRUM CLONES.
S W Head
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Chemical analysis, Chromatography,
Chrysanthemum cinerariaefolium, Pyrethrum, Pyrethrum extract.

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P K Ndalut
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Chromatography, Heating, Infrared spectra, Insecticides, Pyrethrum, Pyrethrum extract, Sesquiterpenoids.

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STRUCTURES AND PESTICIDAL ACTIVITIES OF DERIVATIVES OF DINITROPHENOLS. VIII. EFFECTS OF SUBSTITUTION WITH C-5 TO C-13-S-ALKYL GROUPS AND OF ESTERIFICATION ON THE ACARICIDAL ACTIVITY OF DINITROPHENOLS.
M Pianka J D Edwards
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Acaricides, Dinitrophenol compounds, Synthesis,
Tetranychus telarius, Toxicity.

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A P Pieringer W F Newhall
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Beans, Limonene, Plant growth inhibitors,
Quaternary ammonium compounds,
Succinic acid, 2,2-dimethylhydrazide, Synthesis.

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1-METHYL OR 2-HYDROXY ETHYL-2-CARBAMYL-5-NITROPYRROLES. PATENT 3,393,201.
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M L Sahni R P Singh
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A W Hartstack J P Hollingsworth D A Lindquist
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Apr 1968 421 J822
Efficiency, Heliothis zea, Light traps, Trichoplusia ni.
Abstract

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R L Steere R E Davis
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Electrophoresis, Equipment.

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1 V.
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Fumigation, Insect pests, Mexico, Plant diseases, Railroad cars, Regulations, Vehicles.

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